



**WOOD BUFFALO  
ENVIRONMENTAL ASSOCIATION**

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Wood Buffalo Environmental Association

# ANNUAL REPORT – VOLUME 2

## 2021 INTEGRATED DATA

March 2022

Operations, Data Collection,  
QA/QC, Data Validation and Reporting by:  
Wood Buffalo Environmental Association





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# WOOD BUFFALO ENVIRONMENTAL ASSOCIATION

## INTEGRATED MONITORING PROGRAM ANNUAL REPORT

### DATA SUMMARY 2021

Prepared  
March 2022

#### SAMPLE COLLECTION AND DATA COMPILATION BY:

**Wood Buffalo Environmental Association**  
Fort McMurray, Alberta

#### LABORATORY ANALYSIS

Volatile Organic Compounds:	InnoTech Alberta, Inc. Vegreville, Alberta
Particulate Matter:	Desert Research Institute Reno, NV
Elemental Carbon and Organic Carbon:	Desert Research Institute Reno, NV
Polycyclic Aromatic Hydrocarbons:	Air Zone One Incorporated Mississauga, Ontario
Precipitation:	Wisconsin State Laboratory of Hygiene Madison, WI



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**WOOD BUFFALO ENVIRONMENTAL ASSOCIATION**

**INTEGRATED MONITORING PROGRAM  
ANNUAL REPORT**

**VOLATILE ORGANIC COMPOUNDS  
DATA SUMMARY  
2021**

Prepared  
March 2022

**SAMPLE COLLECTION AND DATA COMPILATION BY:**

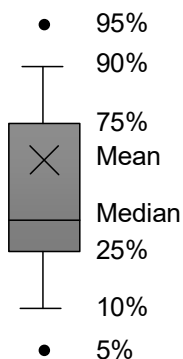
**Wood Buffalo Environmental Association**  
Fort McMurray, Alberta

**LABORATORY ANALYSIS BY:**

VOCs: InnoTech Alberta, Inc.  
Vegreville, Alberta

CONTENTS DESCRIPTION	Summary of VOC – Measurements of Speciated Volatile Organic Compounds
SAMPLE PERIOD	24 hour
SAMPLING INTERVAL	Once every 6 days
UNITS	ppbv (parts per billion volume)
OBSERVATION TYPE	Gas
FIELD SAMPLING OR MEASUREMENT PRINCIPLE	Evacuated canister
ANALYTICAL METHODS	GC/MS - Gas chromatography/mass spectrometer
ANALYTICAL LABORATORY	InnoTech Alberta Inc
USER NOTE 1	Data are not blank corrected
USER NOTE 2	MDLs for many parameters were updated on February 13. Data qualifies for V4 if greater than average + 5x Standard Dev with 5 passes. Computed on a quarterly dataset.
USER NOTE 3	Summary statistics include flags beginning with V. Instances when the Lab did not report a value that was <MDL, 0 was used.
SAMPLING INSTRUMENT TYPE	Tisch TE123
FLOW RATE	10.0 cc/min (cubic centimeters per minute)
FLAGS USED	
V0	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V4	Valid value despite failing to meet some QC or statistical criteria
V5	Valid value but qualified because of possible contamination
V6	Valid value but qualified due to non-standard sampling conditions
M1	Missing value because no value is available
M2	Missing value because invalidated by Data Originator

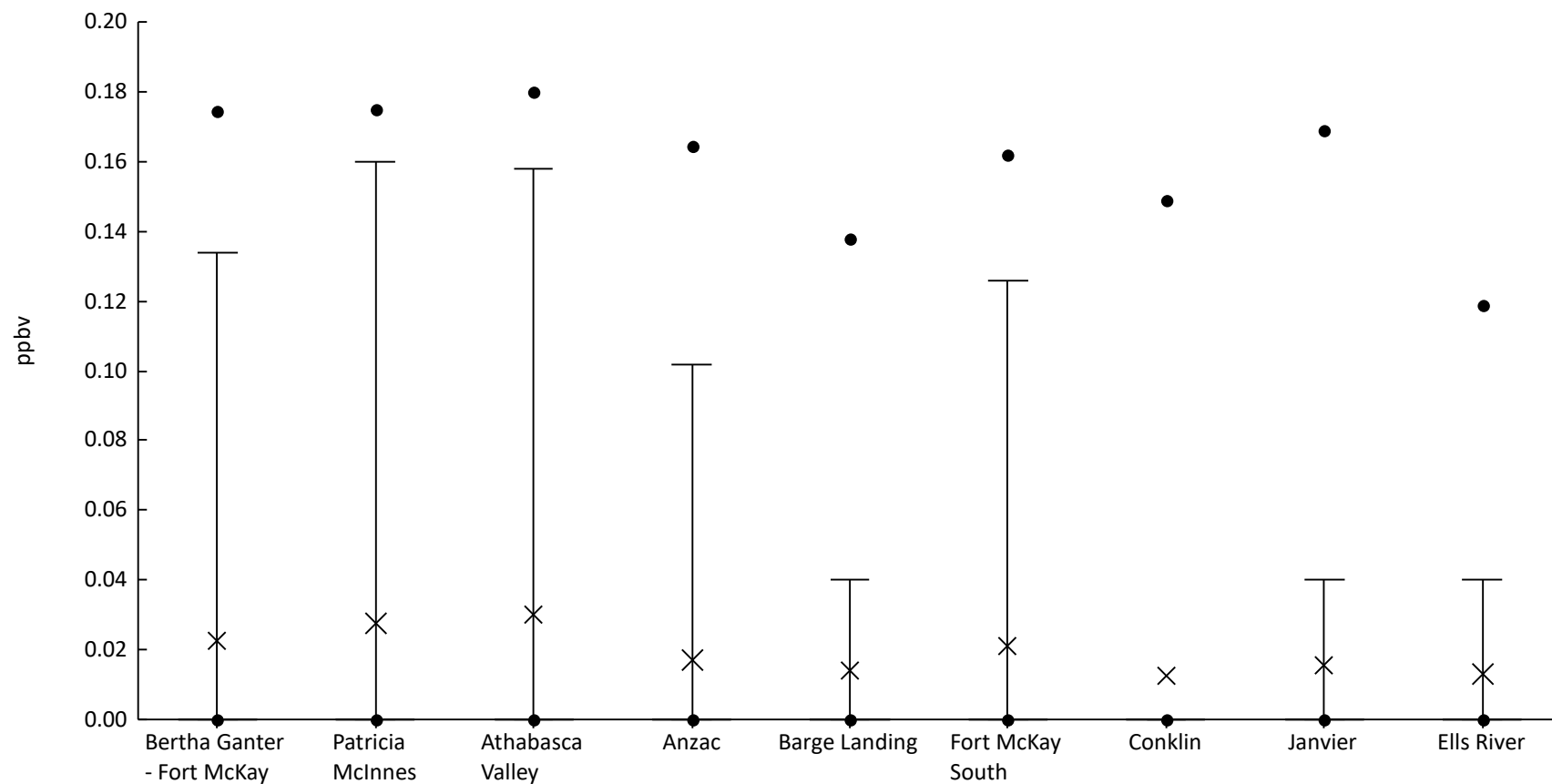
Legend description





Volatile Organic Compound Canister - 1,2,4-Trimethylbenzene (ppbv) - 2021

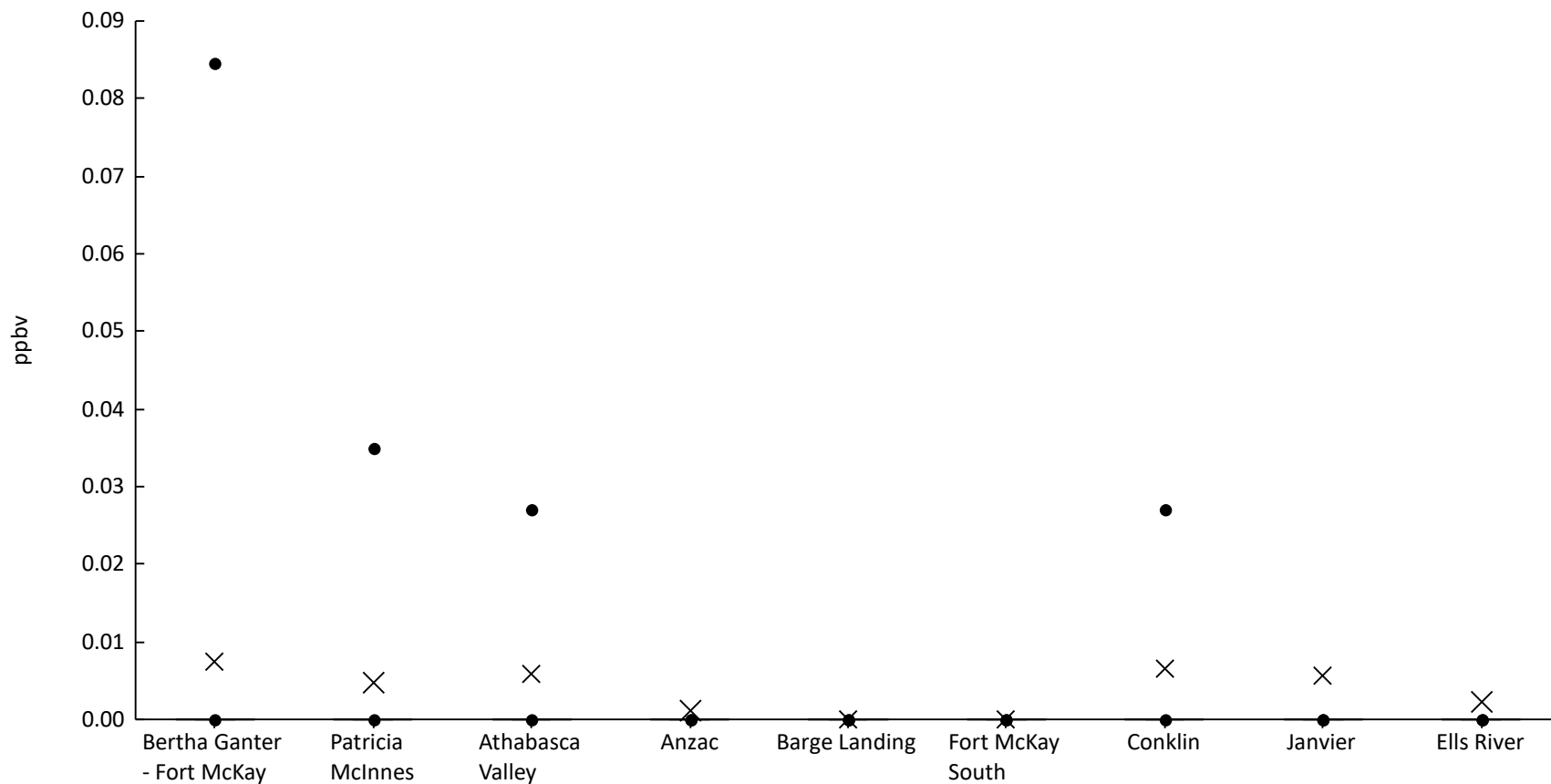
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	15%	0	0	0	0	0	0	0.13	0.17	0.2	0.022	0.056
AMS06	Patricia McInnes	60	18%	0	0	0	0	0	0	0.16	0.18	0.19	0.028	0.06
AMS07	Athabasca Valley	61	21%	0	0	0	0	0	0	0.16	0.18	0.21	0.03	0.062
AMS14	Anzac	61	11%	0	0	0	0	0	0	0.1	0.16	0.18	0.017	0.049
AMS09	Barge Landing	61	10%	0	0	0	0	0	0	0.04	0.14	0.18	0.014	0.044
AMS13	Fort McKay South	59	14%	0	0	0	0	0	0	0.13	0.16	0.21	0.021	0.054
AMS21	Conklin	61	8%	0	0	0	0	0	0	0	0.15	0.2	0.013	0.044
AMS22	Janvier	61	10%	0	0	0	0	0	0	0.04	0.17	0.18	0.015	0.048
AMS30	Ells River	61	10%	0	0	0	0	0	0	0.04	0.12	0.18	0.013	0.042





Volatile Organic Compound Canister - 1,3,5-Trimethylbenzene (ppbv) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	7%	0	0	0	0	0	0	0	0.085	0.15	7.5E-3	0.03
AMS06	Patricia McInnes	60	5%	0	0	0	0	0	0	0	0.035	0.15	4.8E-3	0.023
AMS07	Athabasca Valley	61	5%	0	0	0	0	0	0	0	0.027	0.16	5.9E-3	0.028
AMS14	Anzac	61	2%	0	0	0	0	0	0	0	0	0.07	1.1E-3	9E-3
AMS09	Barge Landing	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS13	Fort McKay South	59	0%	0	0	0	0	0	0	0	0	0	0	0
AMS21	Conklin	61	5%	0	0	0	0	0	0	0	0.027	0.2	6.6E-3	0.032
AMS22	Janvier	61	3%	0	0	0	0	0	0	0	0	0.2	5.6E-3	0.031
AMS30	Ells River	61	2%	0	0	0	0	0	0	0	0	0.14	2.3E-3	0.018

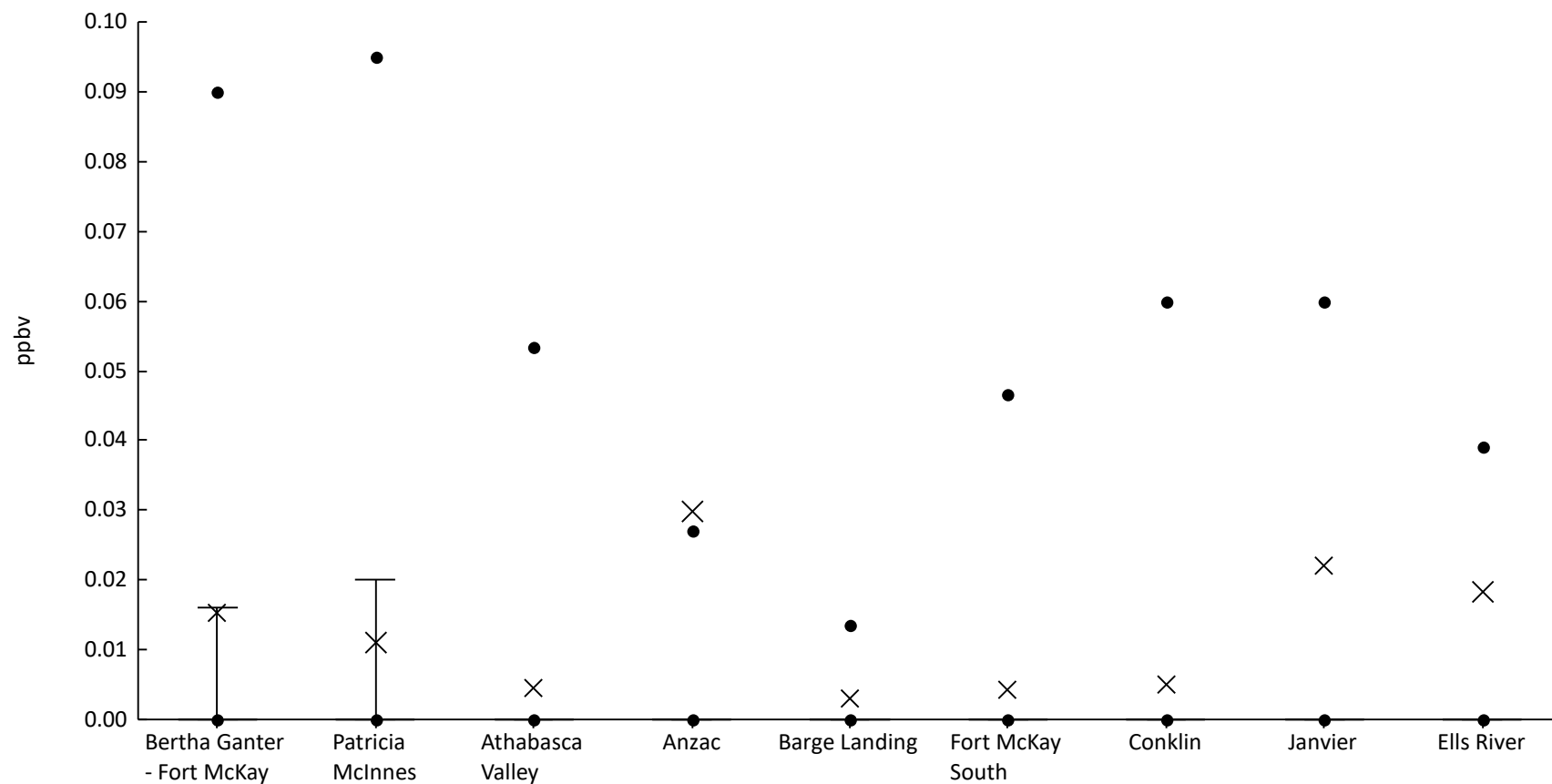






Volatile Organic Compound Canister - 1,3-Butadiene (ppbv) - 2021

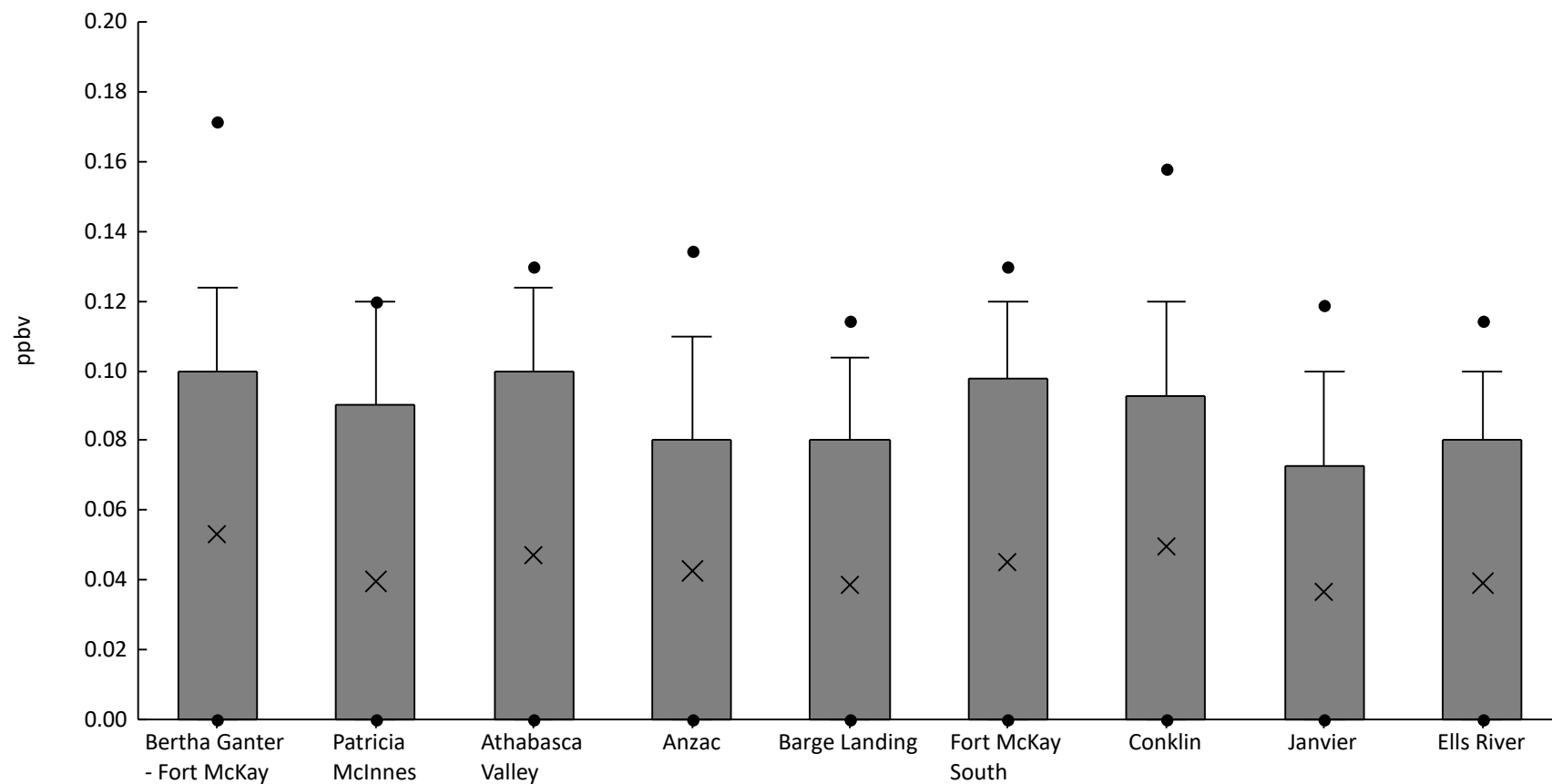
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	10%	0	0	0	0	0	0	0.016	0.09	0.58	0.015	0.076
AMS06	Patricia McInnes	60	10%	0	0	0	0	0	0	0.02	0.095	0.26	0.011	0.04
AMS07	Athabasca Valley	61	7%	0	0	0	0	0	0	0	0.053	0.09	4.6E-3	0.018
AMS14	Anzac	61	5%	0	0	0	0	0	0	0	0.027	1.7	0.03	0.22
AMS09	Barge Landing	61	5%	0	0	0	0	0	0	0	0.013	0.09	3.1E-3	0.015
AMS13	Fort McKay South	59	7%	0	0	0	0	0	0	0	0.046	0.09	4.2E-3	0.017
AMS21	Conklin	61	7%	0	0	0	0	0	0	0	0.06	0.1	4.9E-3	0.019
AMS22	Janvier	61	7%	0	0	0	0	0	0	0	0.06	1.2	0.022	0.15
AMS30	Ells River	61	7%	0	0	0	0	0	0	0	0.039	0.97	0.018	0.12





Volatile Organic Compound Canister - 1-Pentene (ppbv) - 2021

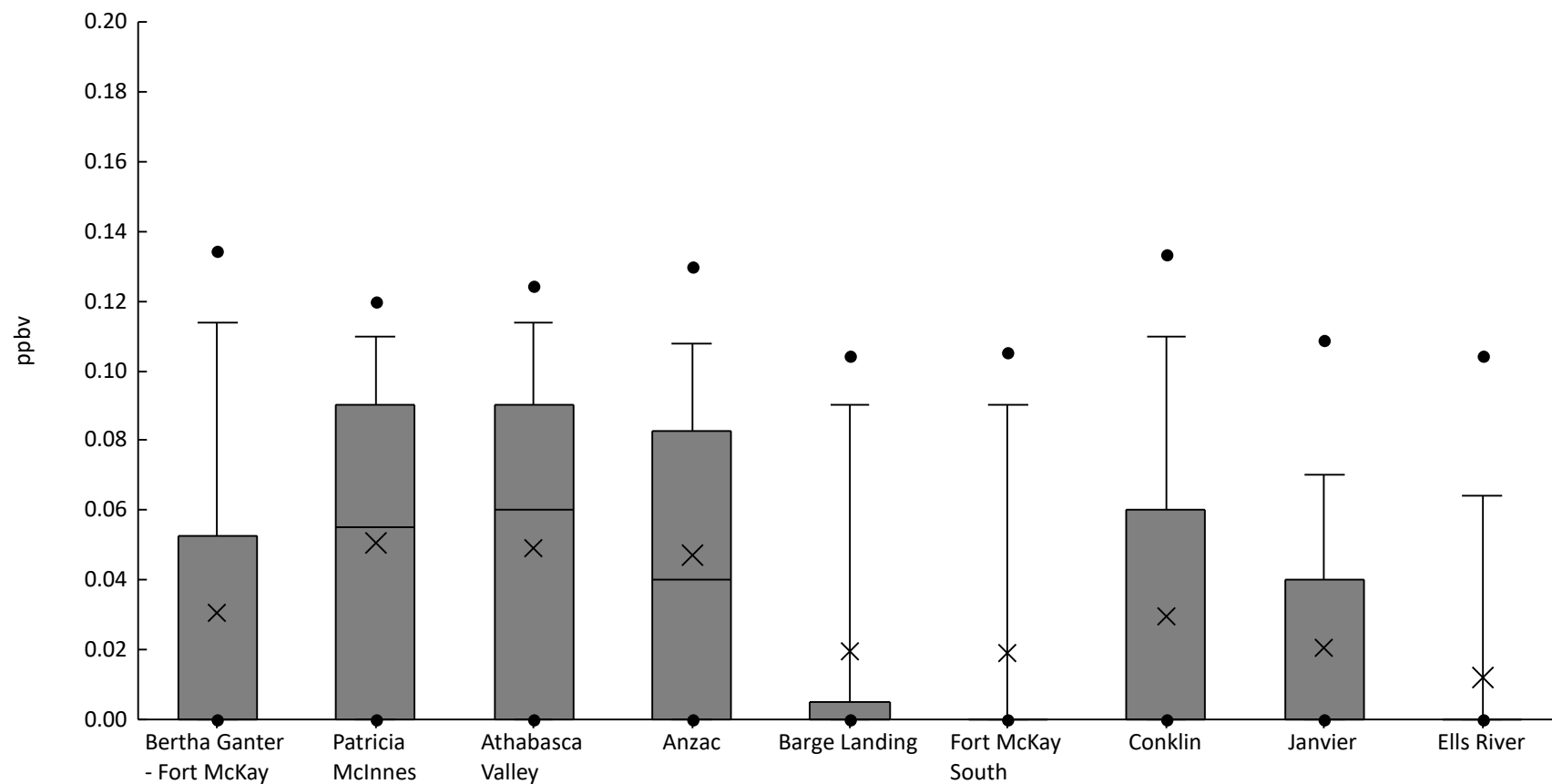
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	48%	0	0	0	0	0	0.1	0.12	0.17	0.4	0.053	0.075
AMS06	Patricia McInnes	60	42%	0	0	0	0	0	0.09	0.12	0.12	0.17	0.04	0.051
AMS07	Athabasca Valley	61	48%	0	0	0	0	0	0.1	0.12	0.13	0.14	0.047	0.053
AMS14	Anzac	61	41%	0	0	0	0	0	0.08	0.11	0.13	0.32	0.043	0.063
AMS09	Barge Landing	61	44%	0	0	0	0	0	0.08	0.1	0.11	0.14	0.039	0.046
AMS13	Fort McKay South	59	47%	0	0	0	0	0	0.098	0.12	0.13	0.2	0.045	0.053
AMS21	Conklin	61	44%	0	0	0	0	0	0.093	0.12	0.16	0.38	0.05	0.072
AMS22	Janvier	61	43%	0	0	0	0	0	0.073	0.1	0.12	0.15	0.037	0.046
AMS30	Ells River	61	46%	0	0	0	0	0	0.08	0.1	0.11	0.18	0.039	0.047





Volatile Organic Compound Canister - 2,2,4-Trimethylpentane (ppbv) - 2021

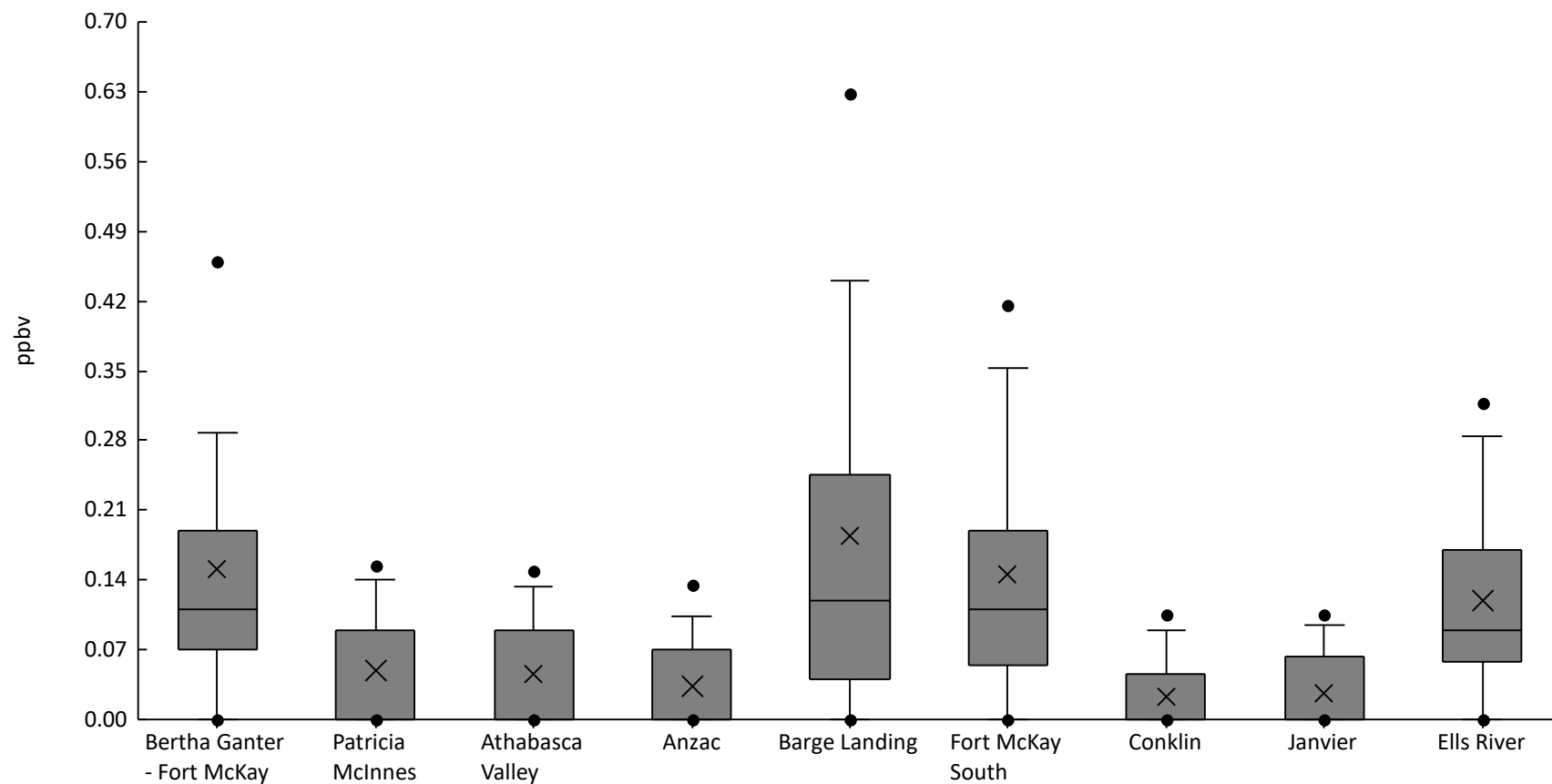
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	33%	0	0	0	0	0	0.053	0.11	0.13	0.2	0.03	0.052
AMS06	Patricia McInnes	60	58%	0	0	0	0	0.055	0.09	0.11	0.12	0.16	0.051	0.048
AMS07	Athabasca Valley	61	57%	0	0	0	0	0.06	0.09	0.11	0.12	0.19	0.049	0.049
AMS14	Anzac	61	52%	0	0	0	0	0.04	0.083	0.11	0.13	0.23	0.047	0.055
AMS09	Barge Landing	61	25%	0	0	0	0	0	5E-3	0.09	0.1	0.13	0.019	0.037
AMS13	Fort McKay South	59	22%	0	0	0	0	0	0	0.09	0.11	0.18	0.019	0.042
AMS21	Conklin	61	34%	0	0	0	0	0	0.06	0.11	0.13	0.2	0.03	0.049
AMS22	Janvier	61	28%	0	0	0	0	0	0.04	0.07	0.11	0.14	0.02	0.037
AMS30	Ells River	61	15%	0	0	0	0	0	0	0.064	0.1	0.11	0.012	0.031





Volatile Organic Compound Canister - 2,2-Dimethylbutane (ppbv) - 2021

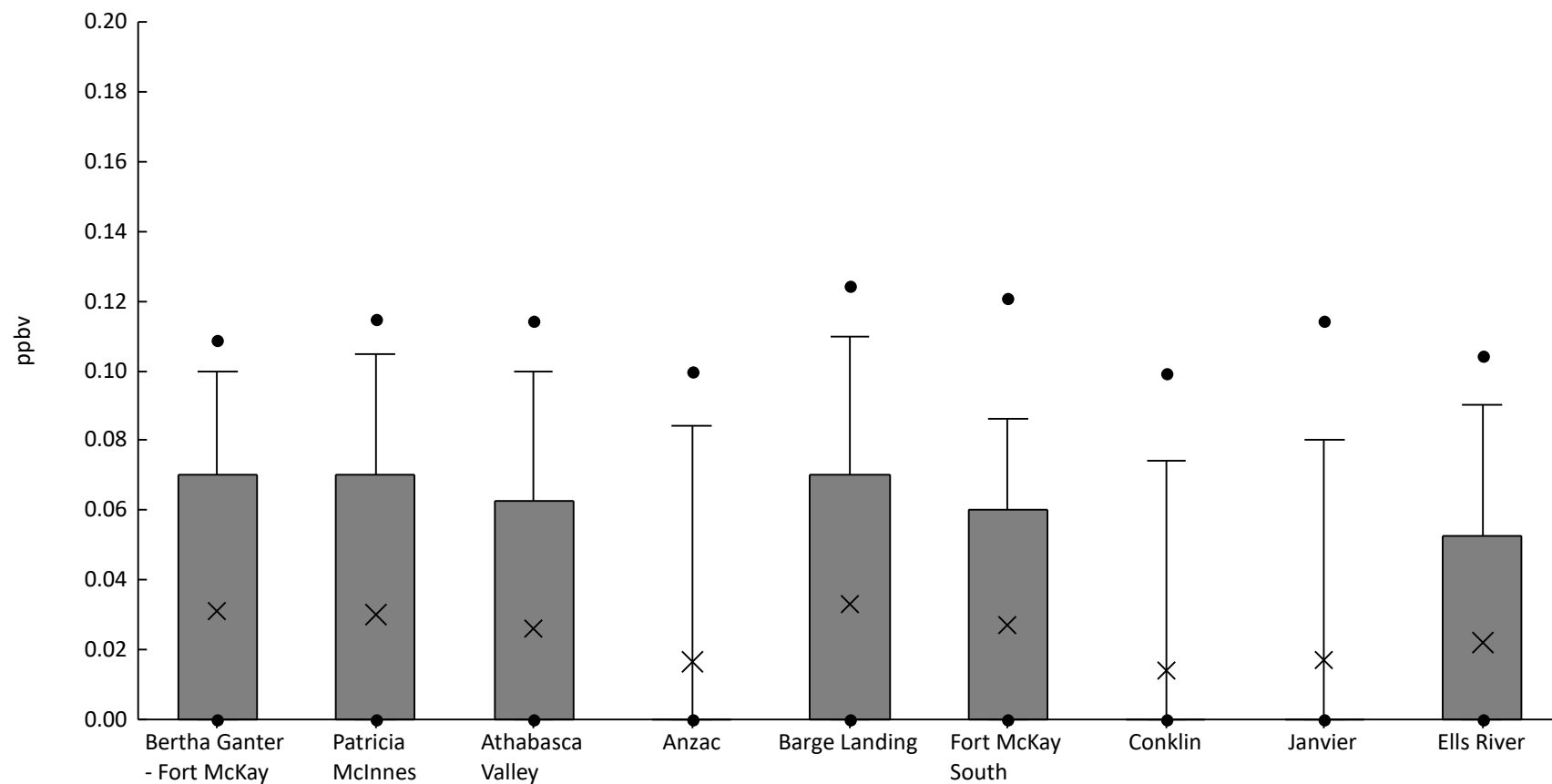
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	80%	0	0	0	0.07	0.11	0.19	0.29	0.46	0.86	0.15	0.15
AMS06	Patricia McInnes	60	42%	0	0	0	0	0	0.09	0.14	0.16	0.43	0.049	0.077
AMS07	Athabasca Valley	61	44%	0	0	0	0	0	0.09	0.13	0.15	0.28	0.045	0.062
AMS14	Anzac	61	39%	0	0	0	0	0	0.07	0.1	0.13	0.19	0.034	0.05
AMS09	Barge Landing	61	79%	0	0	0	0.04	0.12	0.25	0.44	0.63	1.3	0.18	0.23
AMS13	Fort McKay South	59	83%	0	0	0	0.055	0.11	0.19	0.35	0.42	0.55	0.15	0.13
AMS21	Conklin	61	28%	0	0	0	0	0	0.045	0.09	0.1	0.14	0.023	0.04
AMS22	Janvier	61	30%	0	0	0	0	0	0.063	0.094	0.1	0.22	0.026	0.045
AMS30	Ells River	61	80%	0	0	0	0.058	0.09	0.17	0.28	0.32	0.59	0.12	0.11





Volatile Organic Compound Canister - 2,3,4-Trimethylpentane (ppbv) - 2021

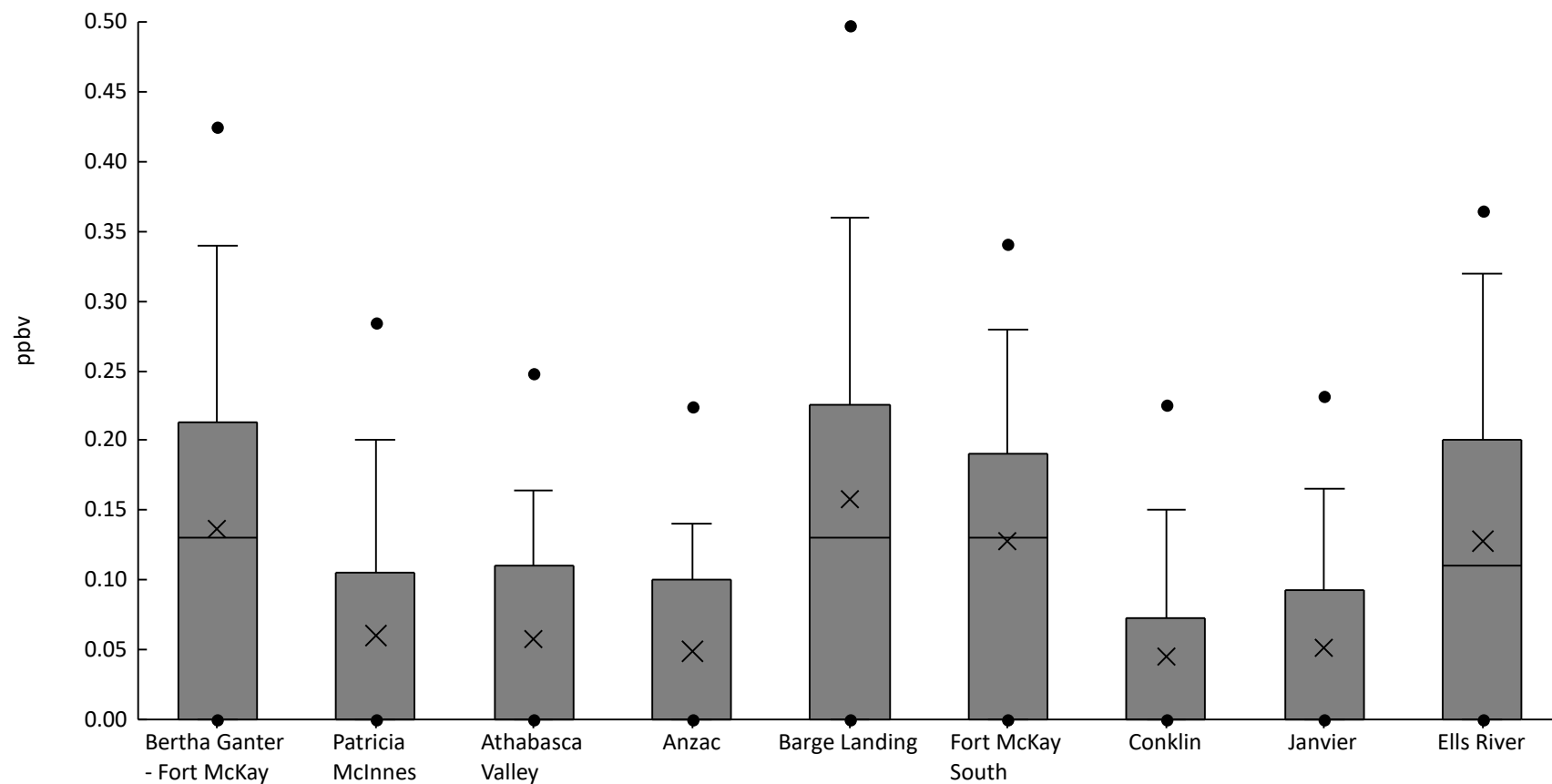
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	38%	0	0	0	0	0	0.07	0.1	0.11	0.14	0.031	0.043
AMS06	Patricia McInnes	60	37%	0	0	0	0	0	0.07	0.11	0.12	0.14	0.03	0.043
AMS07	Athabasca Valley	61	30%	0	0	0	0	0	0.063	0.1	0.11	0.15	0.026	0.043
AMS14	Anzac	61	21%	0	0	0	0	0	0	0.084	0.1	0.15	0.017	0.035
AMS09	Barge Landing	61	38%	0	0	0	0	0	0.07	0.11	0.12	0.15	0.033	0.047
AMS13	Fort McKay South	59	34%	0	0	0	0	0	0.06	0.086	0.12	0.14	0.027	0.042
AMS21	Conklin	61	18%	0	0	0	0	0	0	0.074	0.099	0.13	0.014	0.033
AMS22	Janvier	61	23%	0	0	0	0	0	0	0.08	0.11	0.13	0.017	0.036
AMS30	Ells River	61	28%	0	0	0	0	0	0.053	0.09	0.1	0.14	0.022	0.039





Volatile Organic Compound Canister - 2,3-Dimethylbutane (ppbv) - 2021

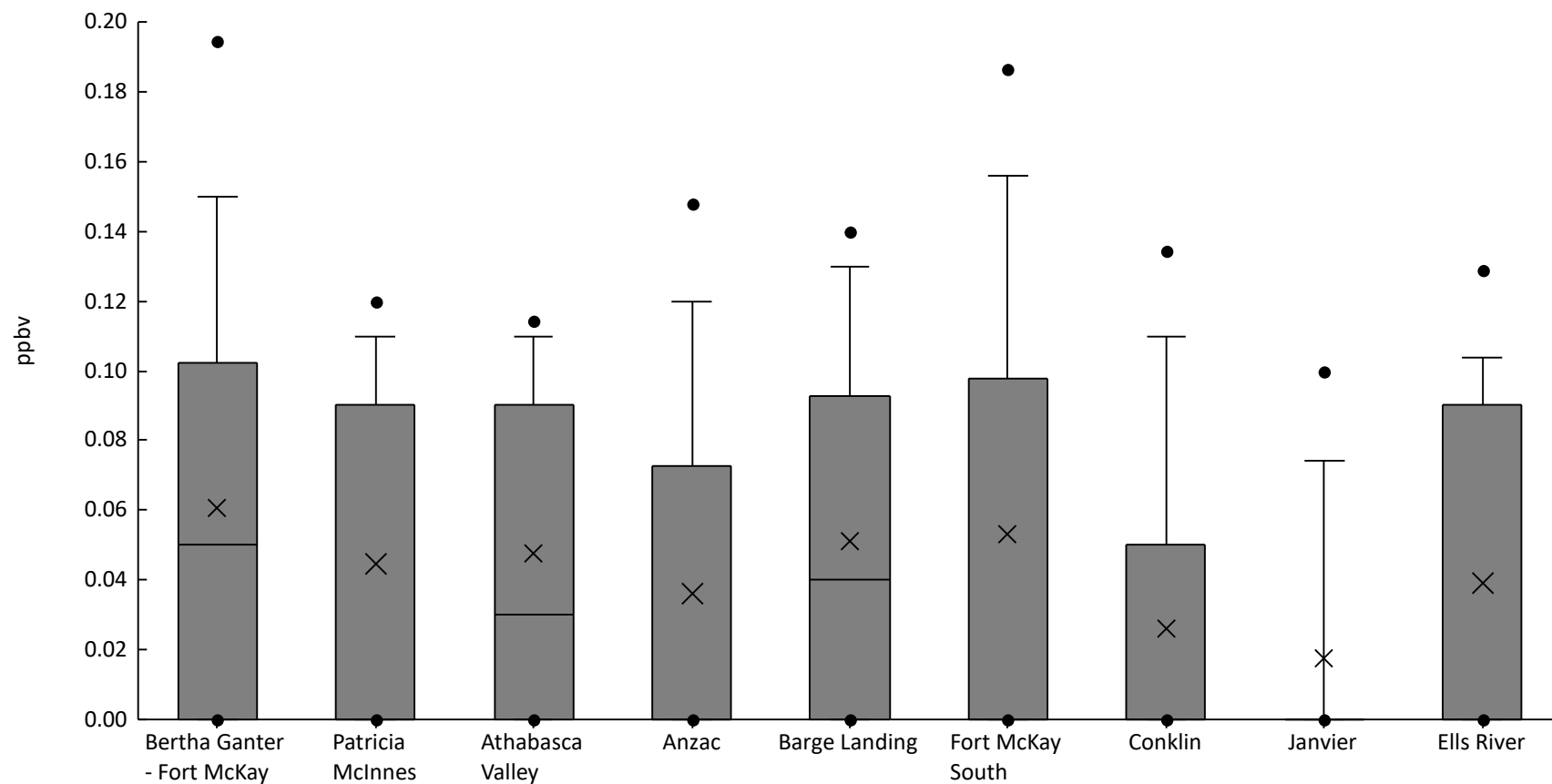
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	64%	0	0	0	0	0.13	0.21	0.34	0.42	0.43	0.14	0.13
AMS06	Patricia McInnes	60	35%	0	0	0	0	0	0.11	0.2	0.29	0.48	0.06	0.1
AMS07	Athabasca Valley	61	38%	0	0	0	0	0	0.11	0.16	0.25	0.44	0.057	0.091
AMS14	Anzac	61	33%	0	0	0	0	0	0.1	0.14	0.22	0.46	0.049	0.089
AMS09	Barge Landing	61	70%	0	0	0	0	0.13	0.23	0.36	0.5	0.82	0.16	0.16
AMS13	Fort McKay South	59	66%	0	0	0	0	0.13	0.19	0.28	0.34	0.46	0.13	0.12
AMS21	Conklin	61	28%	0	0	0	0	0	0.073	0.15	0.23	0.6	0.045	0.1
AMS22	Janvier	61	31%	0	0	0	0	0	0.093	0.17	0.23	0.62	0.052	0.1
AMS30	Ells River	61	67%	0	0	0	0	0.11	0.2	0.32	0.36	0.52	0.13	0.12





Volatile Organic Compound Canister - 2,3-Dimethylpentane (ppbv) - 2021

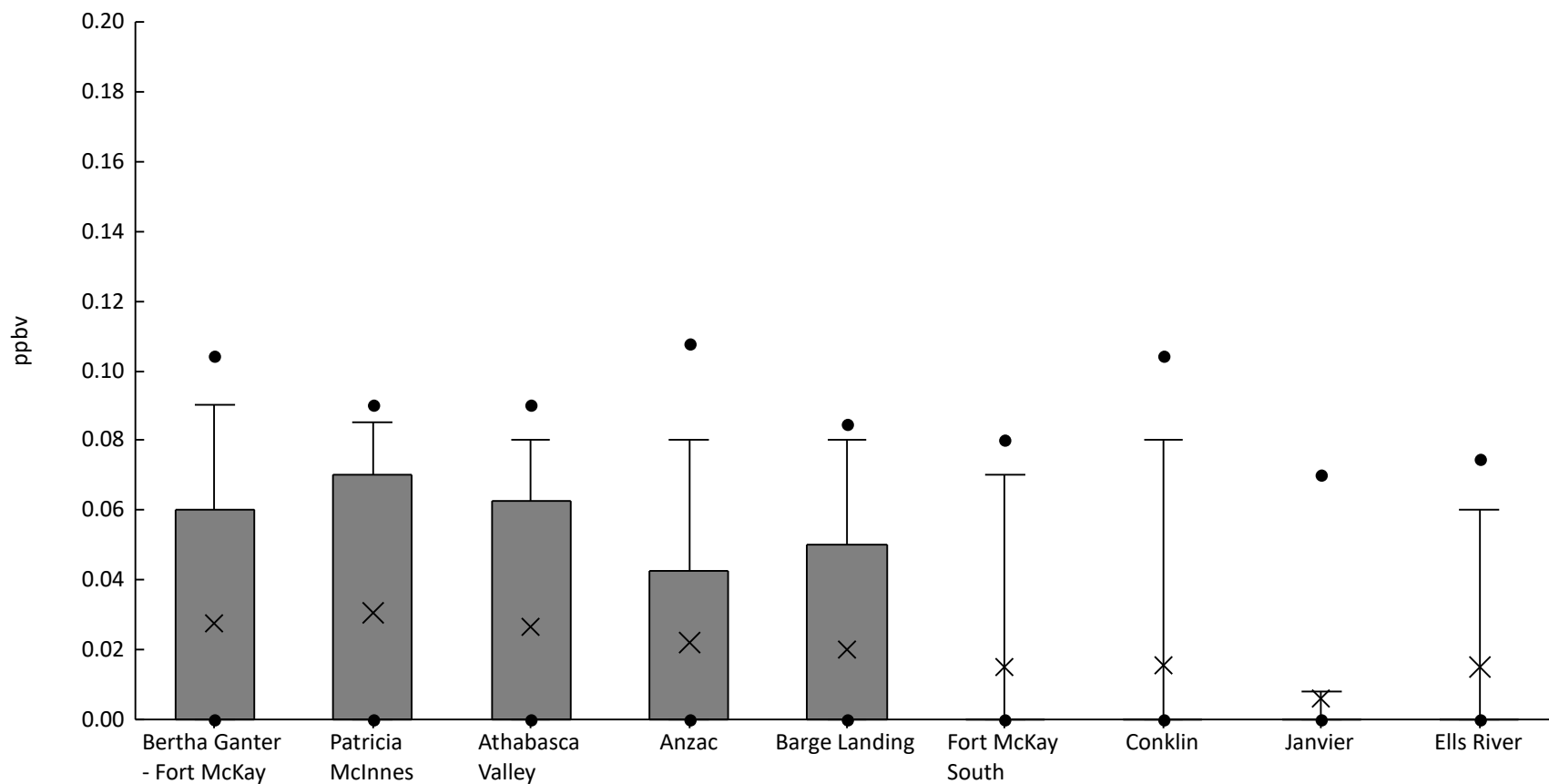
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	54%	0	0	0	0	0.05	0.1	0.15	0.19	0.26	0.06	0.067
AMS06	Patricia McInnes	60	47%	0	0	0	0	0	0.09	0.11	0.12	0.23	0.045	0.054
AMS07	Athabasca Valley	61	51%	0	0	0	0	0.03	0.09	0.11	0.11	0.22	0.048	0.054
AMS14	Anzac	61	34%	0	0	0	0	0	0.073	0.12	0.15	0.28	0.036	0.06
AMS09	Barge Landing	61	52%	0	0	0	0	0.04	0.093	0.13	0.14	0.17	0.051	0.055
AMS13	Fort McKay South	59	49%	0	0	0	0	0	0.098	0.16	0.19	0.21	0.053	0.064
AMS21	Conklin	61	28%	0	0	0	0	0	0.05	0.11	0.13	0.23	0.026	0.049
AMS22	Janvier	61	23%	0	0	0	0	0	0	0.074	0.1	0.13	0.018	0.035
AMS30	Ells River	61	44%	0	0	0	0	0	0.09	0.1	0.13	0.16	0.039	0.049





Volatile Organic Compound Canister - 2,4-Dimethylpentane (ppbv) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	36%	0	0	0	0	0	0.06	0.09	0.1	0.13	0.027	0.04
AMS06	Patricia McInnes	60	43%	0	0	0	0	0	0.07	0.085	0.09	0.11	0.031	0.038
AMS07	Athabasca Valley	61	36%	0	0	0	0	0	0.063	0.08	0.09	0.1	0.027	0.037
AMS14	Anzac	61	28%	0	0	0	0	0	0.043	0.08	0.11	0.15	0.022	0.04
AMS09	Barge Landing	61	28%	0	0	0	0	0	0.05	0.08	0.085	0.12	0.02	0.034
AMS13	Fort McKay South	59	22%	0	0	0	0	0	0	0.07	0.08	0.1	0.015	0.03
AMS21	Conklin	61	20%	0	0	0	0	0	0	0.08	0.1	0.14	0.016	0.035
AMS22	Janvier	61	10%	0	0	0	0	0	0	8E-3	0.07	0.1	5.9E-3	0.02
AMS30	Ells River	61	21%	0	0	0	0	0	0	0.06	0.075	0.2	0.015	0.035

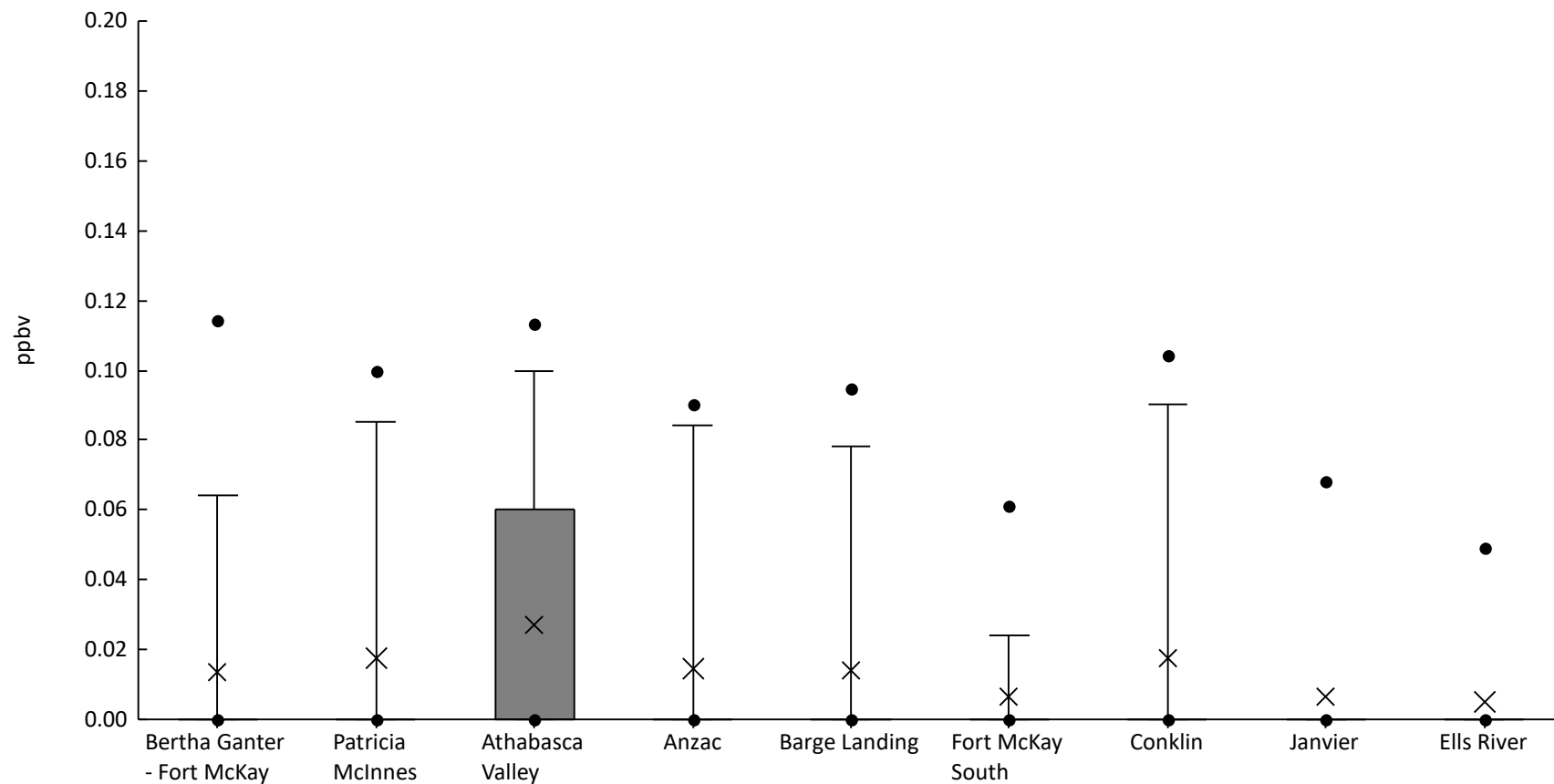






Volatile Organic Compound Canister - 2-Methyl-2-butene (ppbv) - 2021

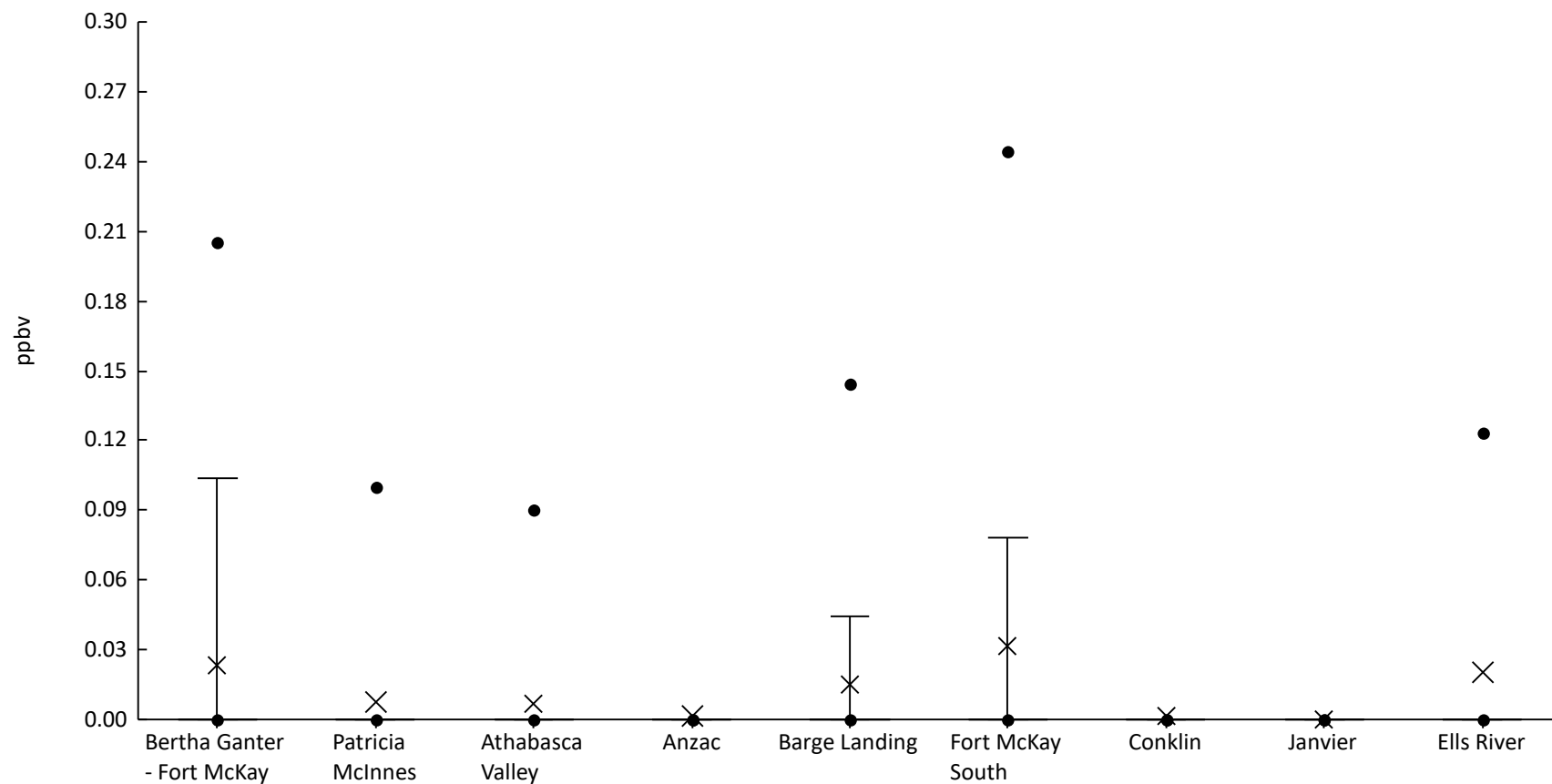
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	15%	0	0	0	0	0	0	0.064	0.11	0.16	0.014	0.036
AMS06	Patricia McInnes	60	23%	0	0	0	0	0	0	0.085	0.1	0.12	0.018	0.035
AMS07	Athabasca Valley	61	31%	0	0	0	0	0	0.06	0.1	0.11	0.15	0.027	0.044
AMS14	Anzac	61	16%	0	0	0	0	0	0	0.084	0.09	0.14	0.014	0.035
AMS09	Barge Landing	61	18%	0	0	0	0	0	0	0.078	0.095	0.1	0.014	0.032
AMS13	Fort McKay South	59	10%	0	0	0	0	0	0	0.024	0.061	0.1	6.4E-3	0.021
AMS21	Conklin	61	20%	0	0	0	0	0	0	0.09	0.1	0.15	0.017	0.038
AMS22	Janvier	61	8%	0	0	0	0	0	0	0	0.068	0.12	6.4E-3	0.023
AMS30	Ells River	61	8%	0	0	0	0	0	0	0	0.049	0.09	5.1E-3	0.018





Volatile Organic Compound Canister - 2-Methylheptane (ppbv) - 2021

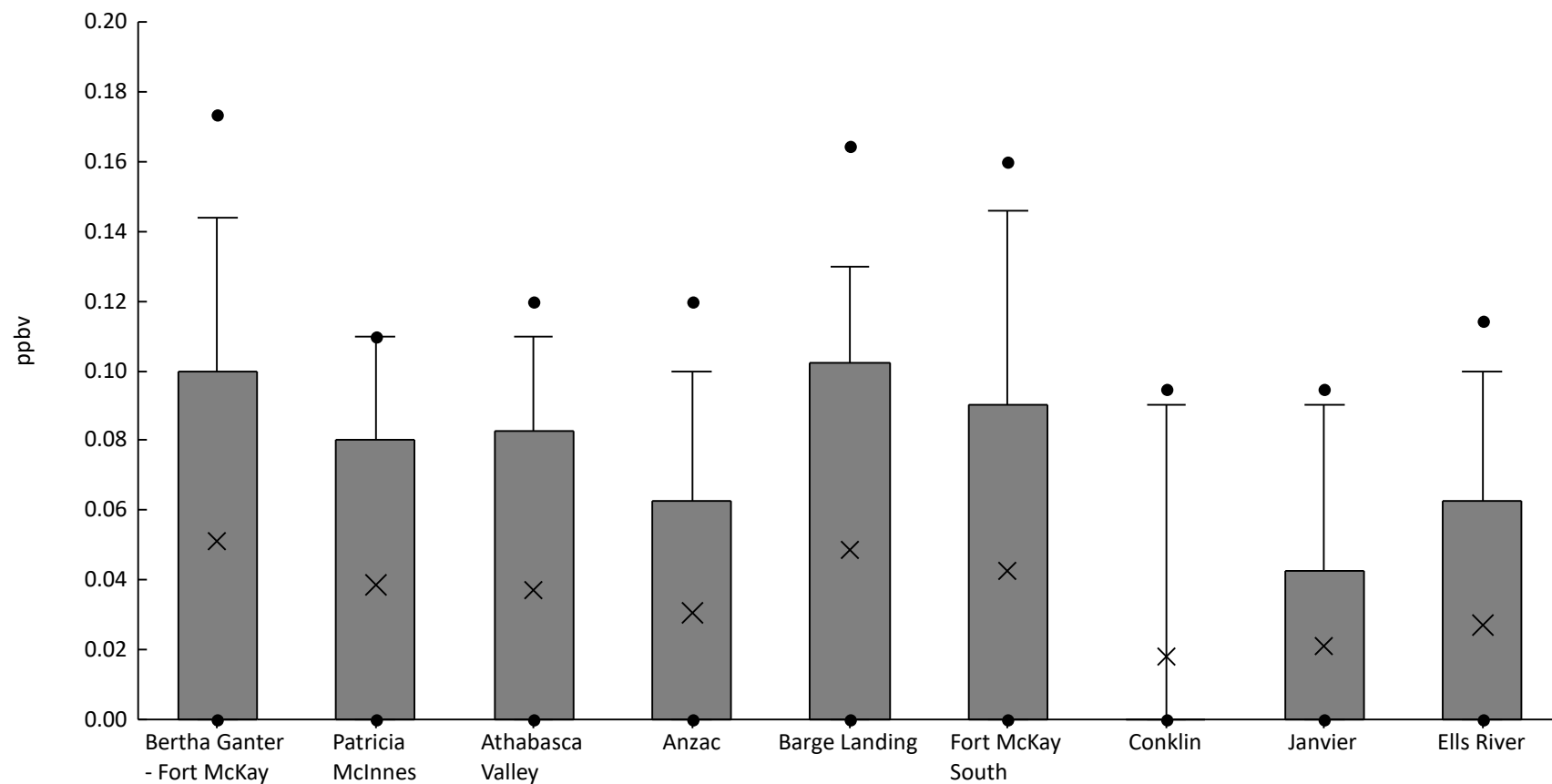
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	11%	0	0	0	0	0	0	0.1	0.21	0.36	0.023	0.074
AMS06	Patricia McInnes	60	7%	0	0	0	0	0	0	0	0.1	0.12	7.2E-3	0.027
AMS07	Athabasca Valley	61	7%	0	0	0	0	0	0	0	0.09	0.14	7E-3	0.027
AMS14	Anzac	61	2%	0	0	0	0	0	0	0	0	0.07	1.1E-3	9E-3
AMS09	Barge Landing	61	10%	0	0	0	0	0	0	0.044	0.14	0.26	0.015	0.05
AMS13	Fort McKay South	59	10%	0	0	0	0	0	0	0.078	0.24	0.78	0.032	0.12
AMS21	Conklin	61	2%	0	0	0	0	0	0	0	0	0.07	1.1E-3	9E-3
AMS22	Janvier	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS30	Ells River	61	7%	0	0	0	0	0	0	0	0.12	0.81	0.02	0.11





Volatile Organic Compound Canister - 2-Methylhexane (ppbv) - 2021

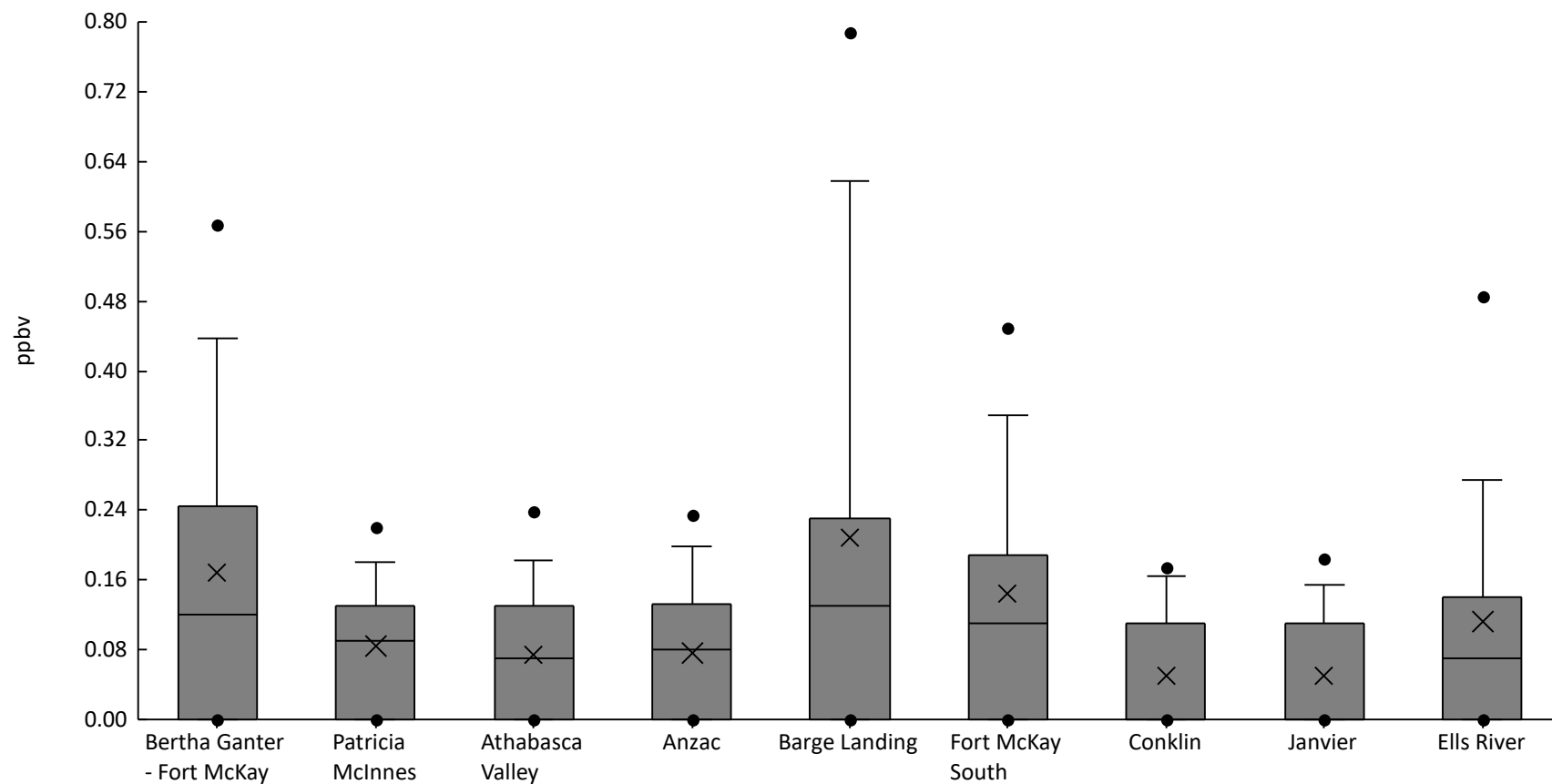
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	43%	0	0	0	0	0	0.1	0.14	0.17	0.33	0.051	0.071
AMS06	Patricia McInnes	60	43%	0	0	0	0	0	0.08	0.11	0.11	0.13	0.039	0.047
AMS07	Athabasca Valley	61	41%	0	0	0	0	0	0.083	0.11	0.12	0.12	0.037	0.047
AMS14	Anzac	61	31%	0	0	0	0	0	0.063	0.1	0.12	0.25	0.03	0.052
AMS09	Barge Landing	61	41%	0	0	0	0	0	0.1	0.13	0.16	0.34	0.049	0.07
AMS13	Fort McKay South	59	34%	0	0	0	0	0	0.09	0.15	0.16	0.33	0.043	0.072
AMS21	Conklin	61	23%	0	0	0	0	0	0	0.09	0.095	0.14	0.018	0.036
AMS22	Janvier	61	28%	0	0	0	0	0	0.043	0.09	0.095	0.1	0.021	0.036
AMS30	Ells River	61	28%	0	0	0	0	0	0.063	0.1	0.11	0.25	0.027	0.049





Volatile Organic Compound Canister - 2-Methylpentane (ppbv) - 2021

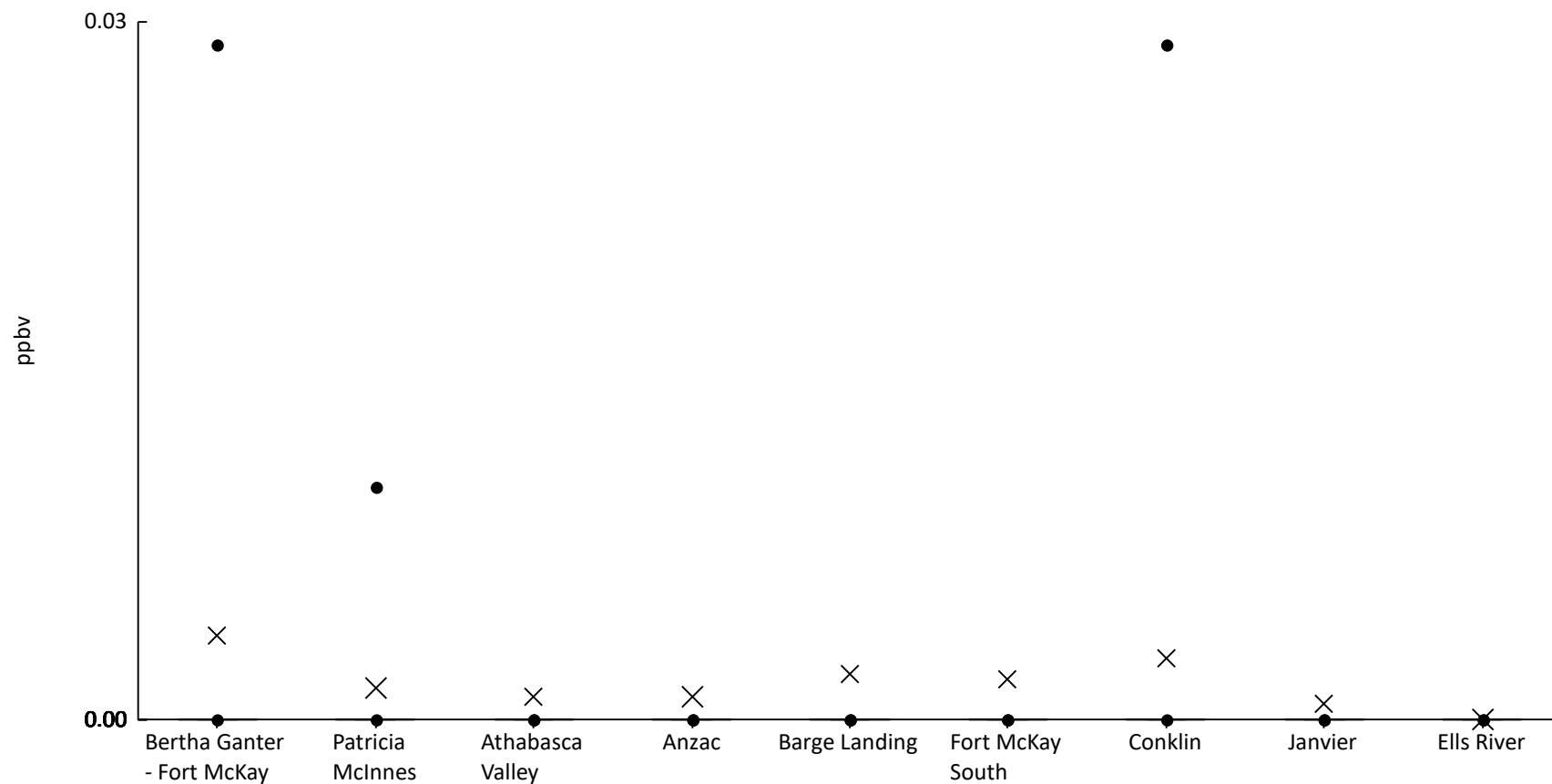
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	64%	0	0	0	0	0.12	0.25	0.44	0.57	1.1	0.17	0.21
AMS06	Patricia McInnes	60	55%	0	0	0	0	0.09	0.13	0.18	0.22	0.59	0.085	0.11
AMS07	Athabasca Valley	61	52%	0	0	0	0	0.07	0.13	0.18	0.24	0.38	0.074	0.086
AMS14	Anzac	61	56%	0	0	0	0	0.08	0.13	0.2	0.23	0.31	0.077	0.083
AMS09	Barge Landing	61	67%	0	0	0	0	0.13	0.23	0.62	0.79	1.6	0.21	0.3
AMS13	Fort McKay South	59	68%	0	0	0	0	0.11	0.19	0.35	0.45	0.74	0.14	0.16
AMS21	Conklin	61	39%	0	0	0	0	0	0.11	0.16	0.17	0.28	0.05	0.07
AMS22	Janvier	61	39%	0	0	0	0	0	0.11	0.15	0.18	0.29	0.05	0.074
AMS30	Ells River	61	51%	0	0	0	0	0.07	0.14	0.27	0.49	1.2	0.11	0.2





Volatile Organic Compound Canister - 3-Methyl-1-butene (ppbv) - 2021

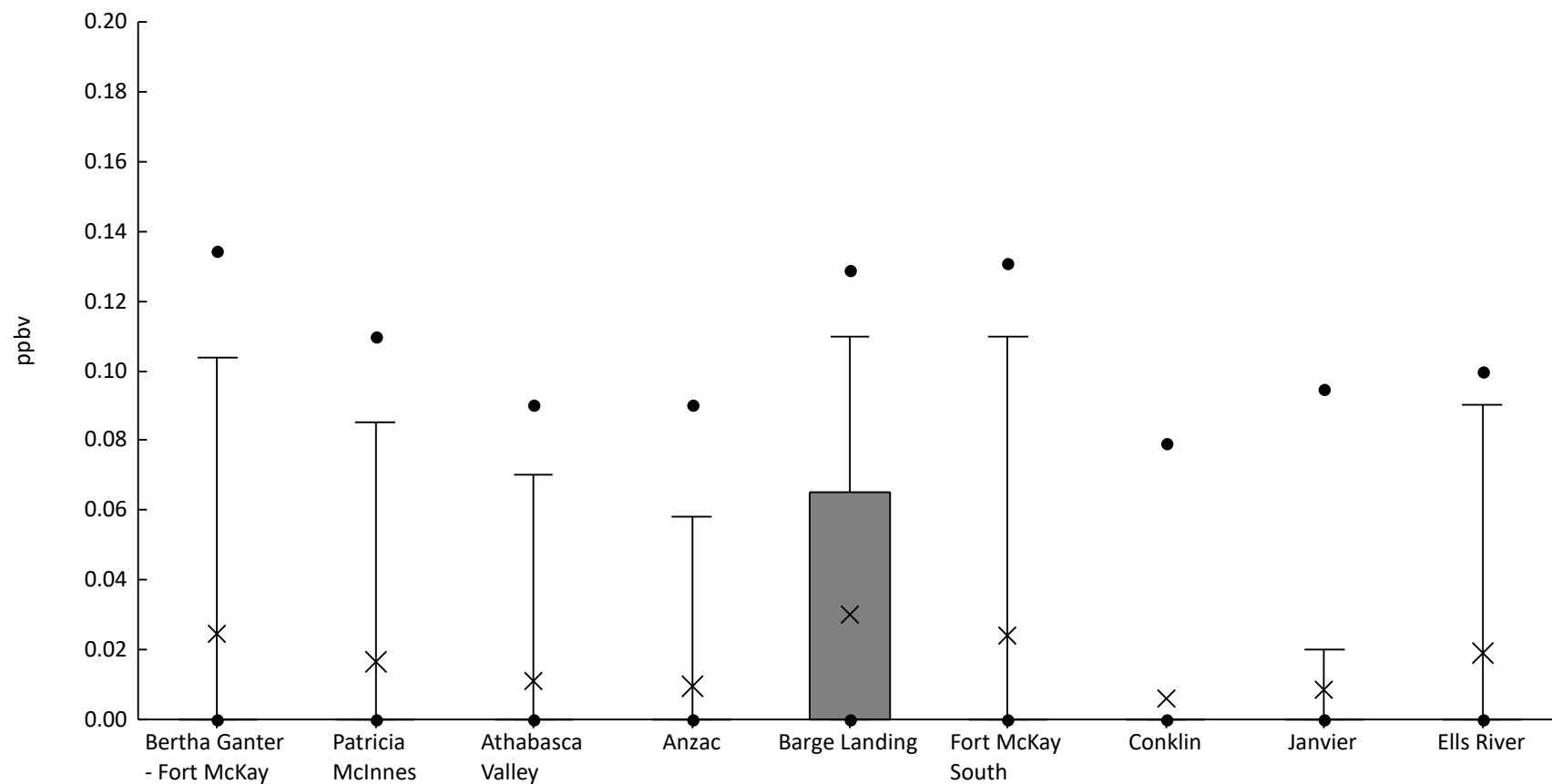
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	8%	0	0	0	0	0	0	0	0.029	0.1	3.6E-3	0.015
AMS06	Patricia McInnes	60	5%	0	0	0	0	0	0	0	0.01	0.04	1.3E-3	6.2E-3
AMS07	Athabasca Valley	61	3%	0	0	0	0	0	0	0	0	0.04	9.8E-4	5.7E-3
AMS14	Anzac	61	3%	0	0	0	0	0	0	0	0	0.04	9.8E-4	5.7E-3
AMS09	Barge Landing	61	3%	0	0	0	0	0	0	0	0	0.1	2E-3	0.013
AMS13	Fort McKay South	59	2%	0	0	0	0	0	0	0	0	0.1	1.7E-3	0.013
AMS21	Conklin	61	7%	0	0	0	0	0	0	0	0.029	0.06	2.6E-3	0.011
AMS22	Janvier	61	2%	0	0	0	0	0	0	0	0	0.04	6.6E-4	5.1E-3
AMS30	Ells River	61	0%	0	0	0	0	0	0	0	0	0	0	0





Volatile Organic Compound Canister - 3-Methylheptane (ppbv) - 2021

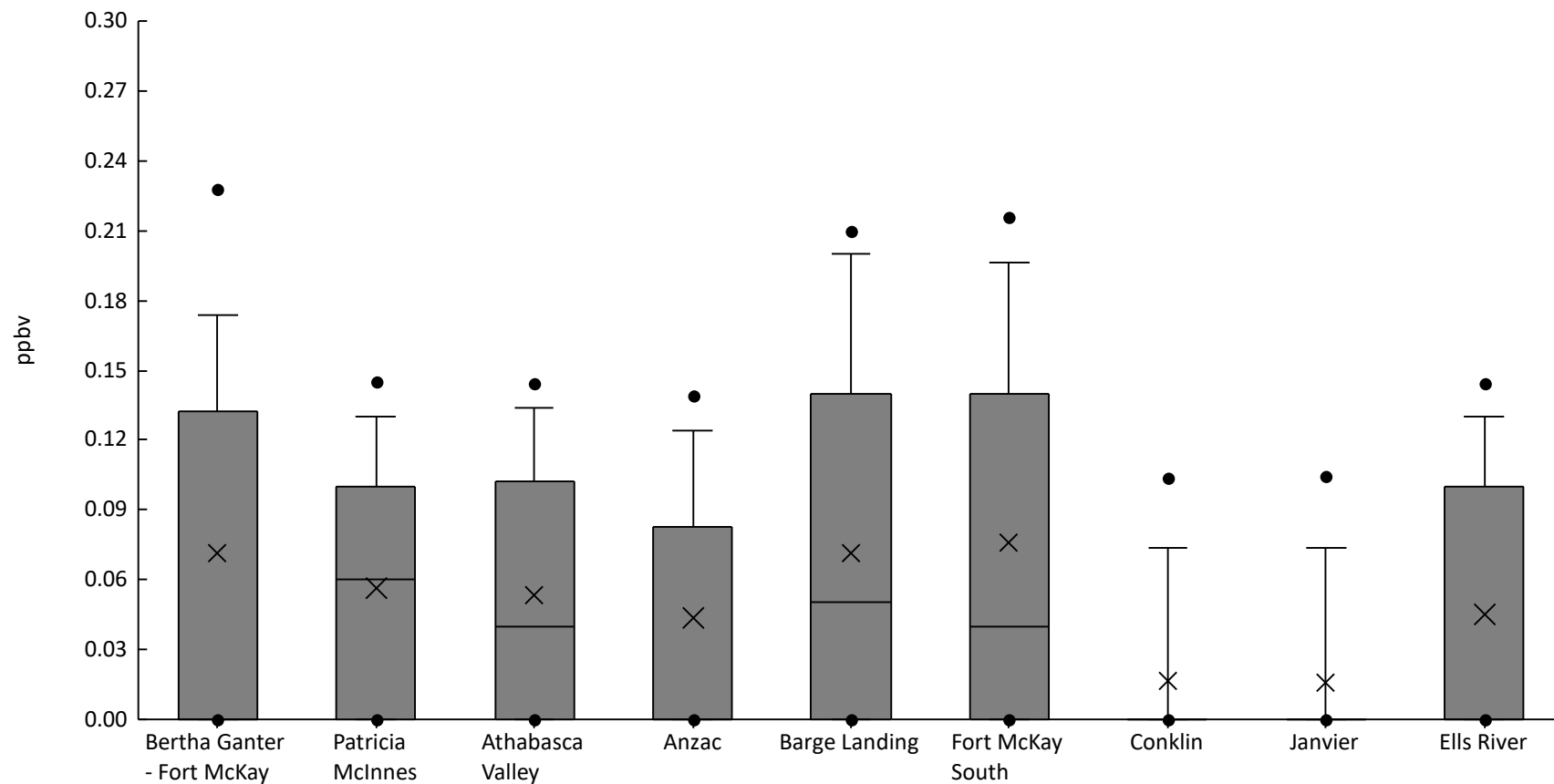
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	23%	0	0	0	0	0	0	0.1	0.13	0.16	0.024	0.048
AMS06	Patricia McInnes	60	18%	0	0	0	0	0	0	0.085	0.11	0.12	0.017	0.036
AMS07	Athabasca Valley	61	13%	0	0	0	0	0	0	0.07	0.09	0.11	0.011	0.029
AMS14	Anzac	61	11%	0	0	0	0	0	0	0.058	0.09	0.12	9.7E-3	0.028
AMS09	Barge Landing	61	30%	0	0	0	0	0	0.065	0.11	0.13	0.18	0.03	0.05
AMS13	Fort McKay South	59	19%	0	0	0	0	0	0	0.11	0.13	0.32	0.024	0.058
AMS21	Conklin	61	7%	0	0	0	0	0	0	0	0.079	0.11	6.1E-3	0.023
AMS22	Janvier	61	10%	0	0	0	0	0	0	0.02	0.095	0.11	8.5E-3	0.027
AMS30	Ells River	61	16%	0	0	0	0	0	0	0.09	0.1	0.33	0.019	0.053





Volatile Organic Compound Canister - 3-Methylhexane (ppbv) - 2021

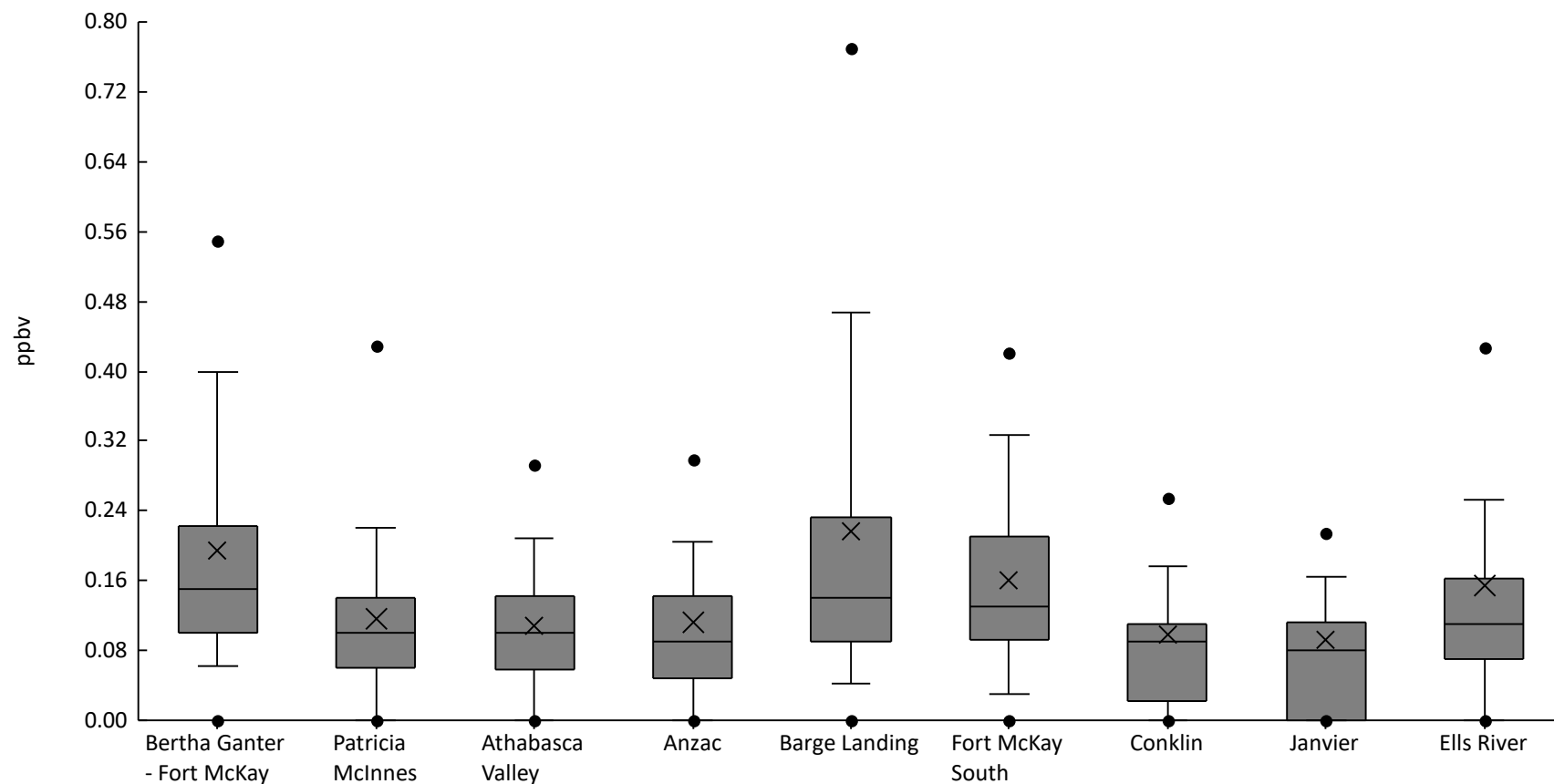
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	49%	0	0	0	0	0	0.13	0.17	0.23	0.29	0.072	0.083
AMS06	Patricia McInnes	60	53%	0	0	0	0	0.06	0.1	0.13	0.15	0.23	0.056	0.06
AMS07	Athabasca Valley	61	52%	0	0	0	0	0.04	0.1	0.13	0.14	0.21	0.053	0.059
AMS14	Anzac	61	43%	0	0	0	0	0	0.083	0.12	0.14	0.27	0.044	0.06
AMS09	Barge Landing	61	51%	0	0	0	0	0.05	0.14	0.2	0.21	0.29	0.071	0.081
AMS13	Fort McKay South	59	51%	0	0	0	0	0.04	0.14	0.2	0.22	0.57	0.076	0.1
AMS21	Conklin	61	20%	0	0	0	0	0	0	0.074	0.1	0.15	0.017	0.037
AMS22	Janvier	61	21%	0	0	0	0	0	0	0.074	0.1	0.11	0.016	0.033
AMS30	Ells River	61	38%	0	0	0	0	0	0.1	0.13	0.14	0.45	0.045	0.075





Volatile Organic Compound Canister - 3-Methylpentane (ppbv) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	93%	0	0	0.062	0.1	0.15	0.22	0.4	0.55	0.81	0.19	0.16
AMS06	Patricia McInnes	60	78%	0	0	0	0.06	0.1	0.14	0.22	0.43	0.49	0.12	0.11
AMS07	Athabasca Valley	61	79%	0	0	0	0.058	0.1	0.14	0.21	0.29	0.49	0.11	0.092
AMS14	Anzac	61	77%	0	0	0	0.048	0.09	0.14	0.2	0.3	0.94	0.11	0.13
AMS09	Barge Landing	61	92%	0	0	0.042	0.09	0.14	0.23	0.47	0.77	1.3	0.22	0.24
AMS13	Fort McKay South	59	92%	0	0	0.03	0.093	0.13	0.21	0.33	0.42	0.58	0.16	0.12
AMS21	Conklin	61	75%	0	0	0	0.023	0.09	0.11	0.18	0.25	0.8	0.098	0.12
AMS22	Janvier	61	69%	0	0	0	0	0.08	0.11	0.16	0.21	0.75	0.093	0.12
AMS30	Ells River	61	89%	0	0	0	0.07	0.11	0.16	0.25	0.43	1.5	0.16	0.21

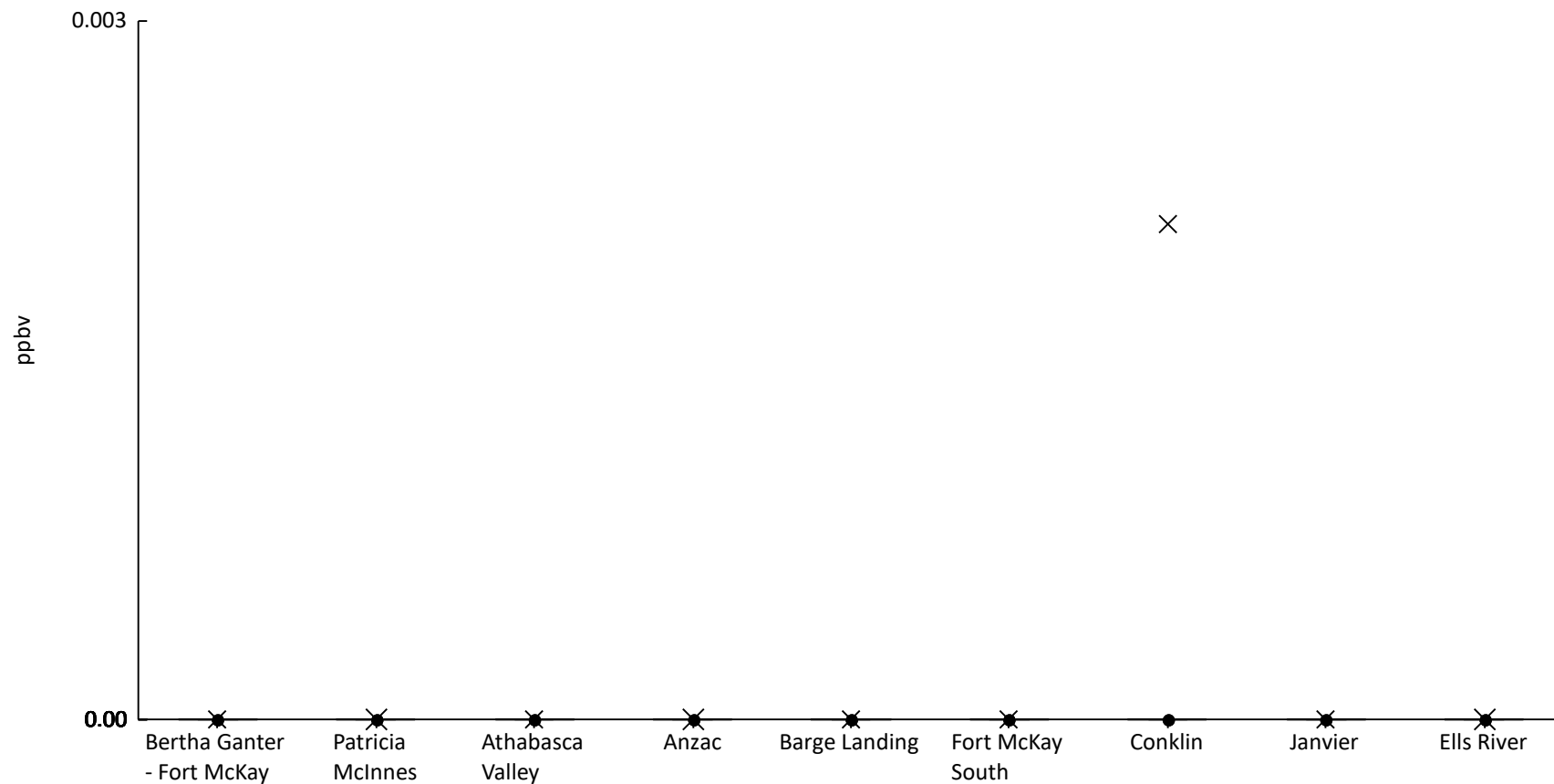






Volatile Organic Compound Canister - 4-Methyl-1-pentene (ppbv) - 2021

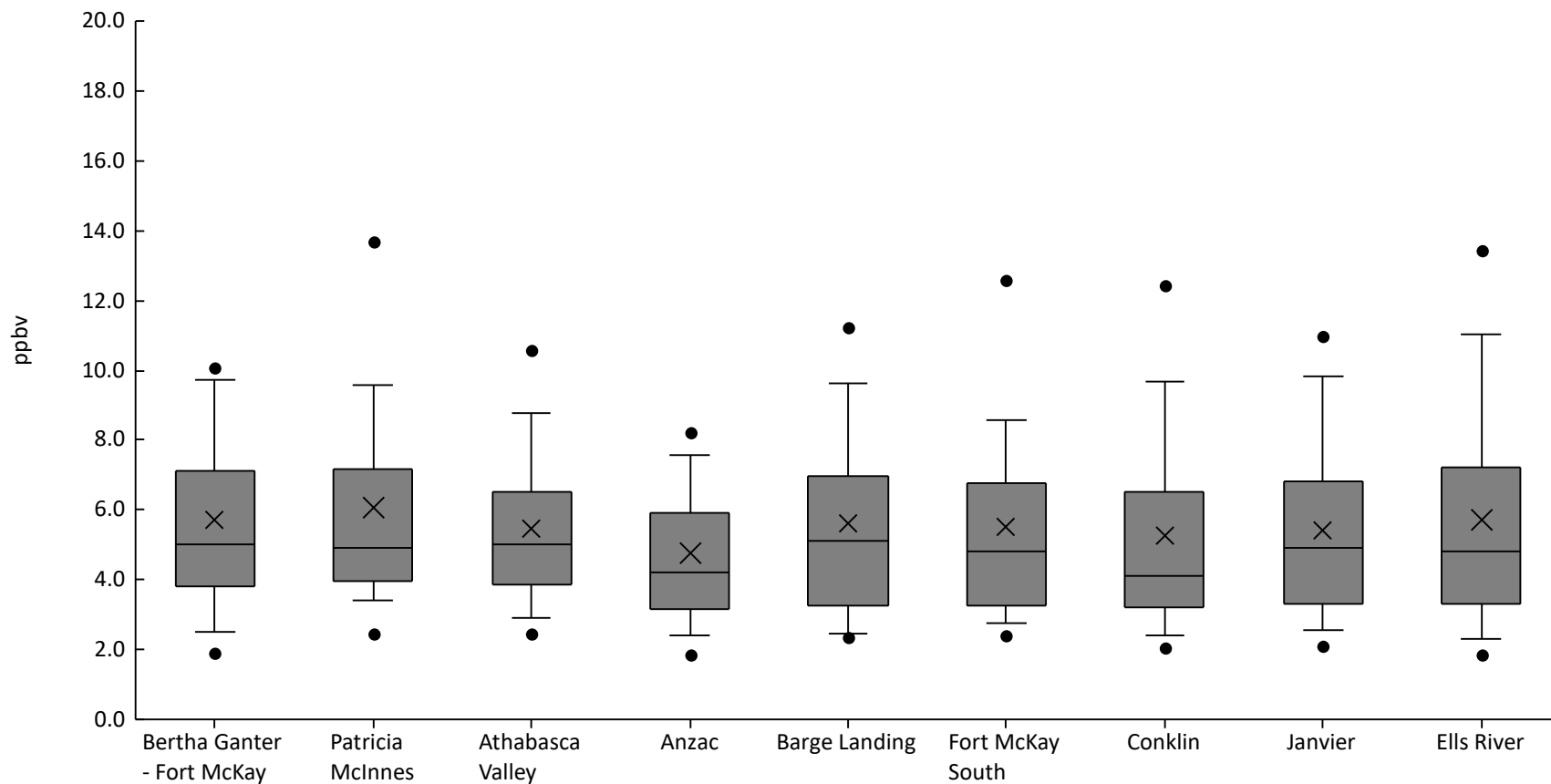
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS06	Patricia McInnes	60	0%	0	0	0	0	0	0	0	0	0	0	0
AMS07	Athabasca Valley	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS14	Anzac	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS09	Barge Landing	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS13	Fort McKay South	59	0%	0	0	0	0	0	0	0	0	0	0	0
AMS21	Conklin	61	2%	0	0	0	0	0	0	0	0	0.13	2.1E-3	0.017
AMS22	Janvier	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS30	Ells River	61	0%	0	0	0	0	0	0	0	0	0	0	0





Volatile Organic Compound Canister - Acetaldehyde (ppbv) - 2021

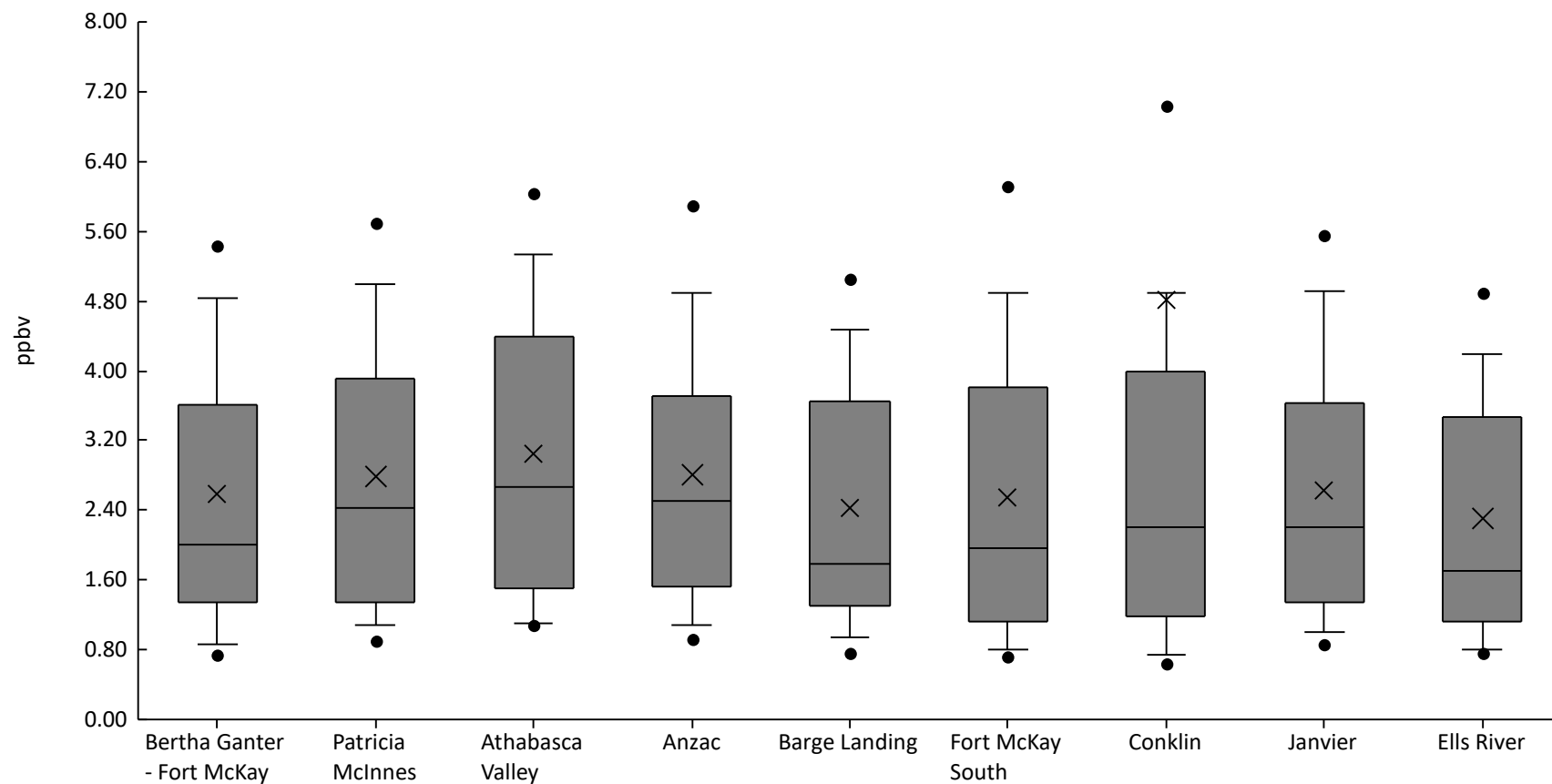
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	1.5	1.9	2.5	3.8	5	7.1	9.7	10	16	5.7	2.8
AMS06	Patricia McInnes	60	100%	1.1	2.5	3.4	4	4.9	7.2	9.6	14	21	6.1	3.7
AMS07	Athabasca Valley	61	100%	1.8	2.5	2.9	3.9	5	6.5	8.8	11	16	5.5	2.5
AMS14	Anzac	61	100%	1	1.9	2.4	3.2	4.2	5.9	7.6	8.2	21	4.7	2.8
AMS09	Barge Landing	61	100%	1.7	2.4	2.5	3.3	5.1	7	9.6	11	17	5.6	3
AMS13	Fort McKay South	59	100%	1.6	2.4	2.8	3.3	4.8	6.8	8.6	13	16	5.5	3
AMS21	Conklin	61	100%	1	2.1	2.4	3.2	4.1	6.5	9.7	12	16	5.3	3.3
AMS22	Janvier	61	100%	1.7	2.1	2.6	3.3	4.9	6.8	9.8	11	17	5.4	3
AMS30	Ells River	61	100%	0.7	1.9	2.3	3.3	4.8	7.2	11	13	19	5.7	3.7





Volatile Organic Compound Canister - Acetone (ppbv) - 2021

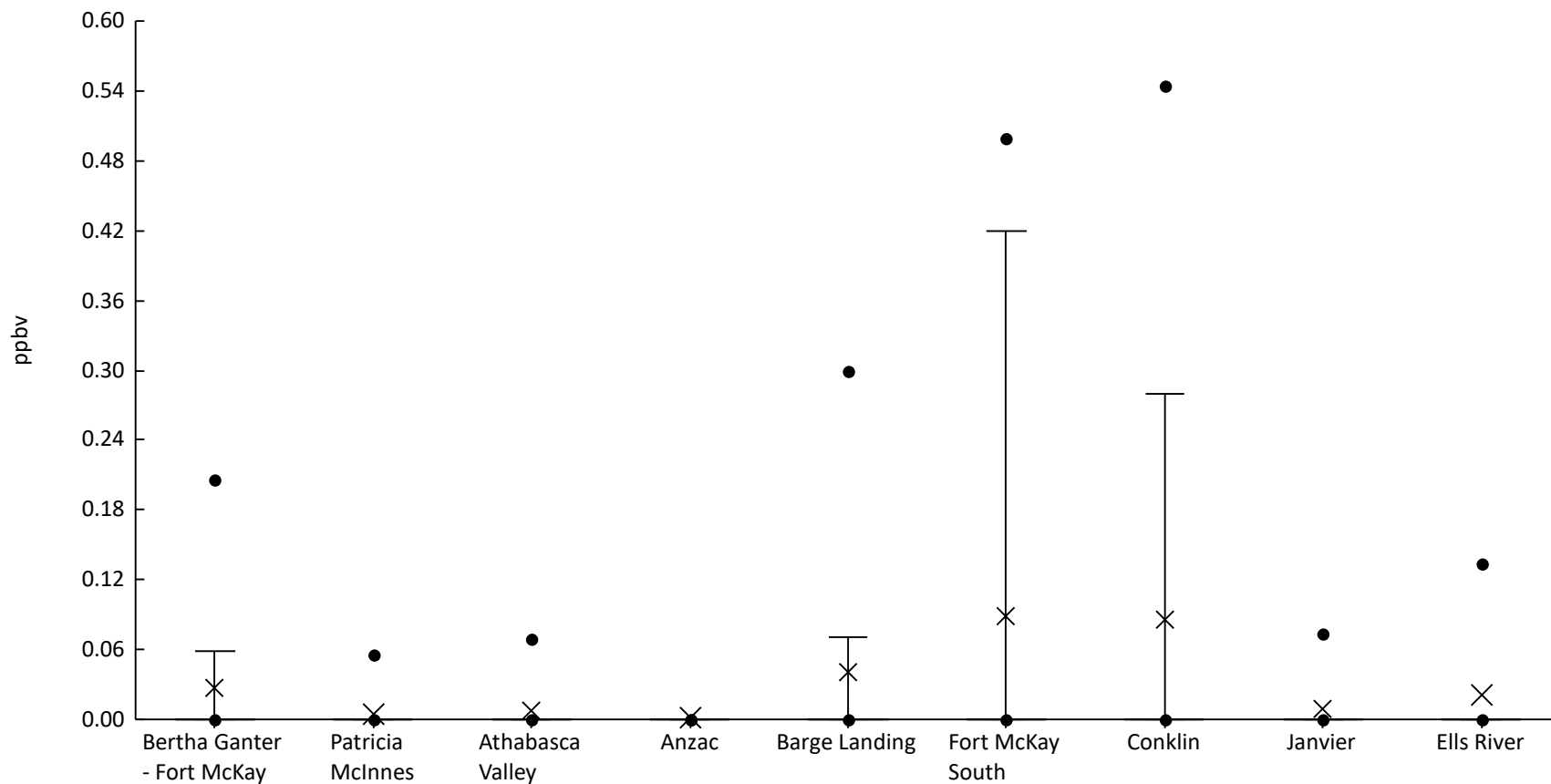
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	0.48	0.74	0.86	1.3	2	3.6	4.8	5.4	7.2	2.6	1.6
AMS06	Patricia McInnes	60	100%	0.7	0.9	1.1	1.4	2.4	3.9	5	5.7	8.8	2.8	1.7
AMS07	Athabasca Valley	61	100%	0.69	1.1	1.1	1.5	2.7	4.4	5.3	6	8.2	3	1.8
AMS14	Anzac	61	100%	0.81	0.92	1.1	1.5	2.5	3.7	4.9	5.9	8.3	2.8	1.6
AMS09	Barge Landing	61	100%	0.5	0.75	0.95	1.3	1.8	3.7	4.5	5	7.7	2.4	1.5
AMS13	Fort McKay South	59	98%	0	0.72	0.8	1.1	2	3.8	4.9	6.1	7.8	2.6	1.8
AMS21	Conklin	61	100%	0.24	0.65	0.74	1.2	2.2	4	4.9	7	140	4.8	18
AMS22	Janvier	61	100%	0.5	0.86	1	1.3	2.2	3.6	4.9	5.5	7.2	2.6	1.6
AMS30	Ells River	61	100%	0.47	0.77	0.8	1.1	1.7	3.5	4.2	4.9	6.1	2.3	1.4





Volatile Organic Compound Canister - alpha-Pinene (ppbv) - 2021

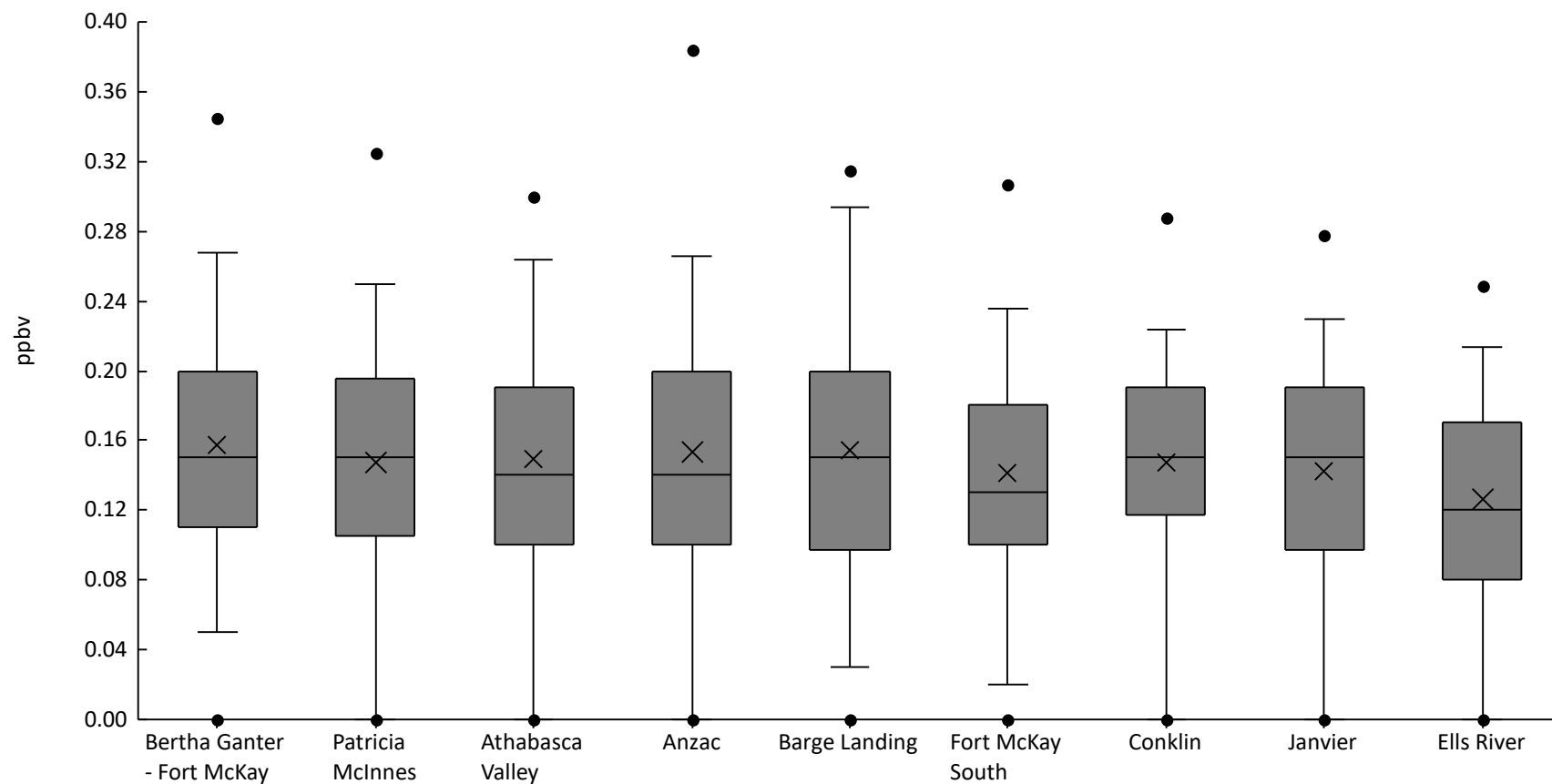
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	11%	0	0	0	0	0	0	0.058	0.21	0.6	0.027	0.1
AMS06	Patricia McInnes	60	8%	0	0	0	0	0	0	0	0.055	0.07	4.8E-3	0.016
AMS07	Athabasca Valley	61	8%	0	0	0	0	0	0	0	0.069	0.23	8.2E-3	0.034
AMS14	Anzac	61	2%	0	0	0	0	0	0	0	0	0.07	1.1E-3	9E-3
AMS09	Barge Landing	61	11%	0	0	0	0	0	0	0.07	0.3	1	0.04	0.16
AMS13	Fort McKay South	59	22%	0	0	0	0	0	0	0.42	0.5	0.9	0.089	0.21
AMS21	Conklin	61	18%	0	0	0	0	0	0	0.28	0.54	1.8	0.085	0.28
AMS22	Janvier	61	8%	0	0	0	0	0	0	0	0.073	0.3	9.7E-3	0.042
AMS30	Ells River	61	8%	0	0	0	0	0	0	0	0.13	0.6	0.02	0.088





Volatile Organic Compound Canister - Benzene (ppbv) - 2021

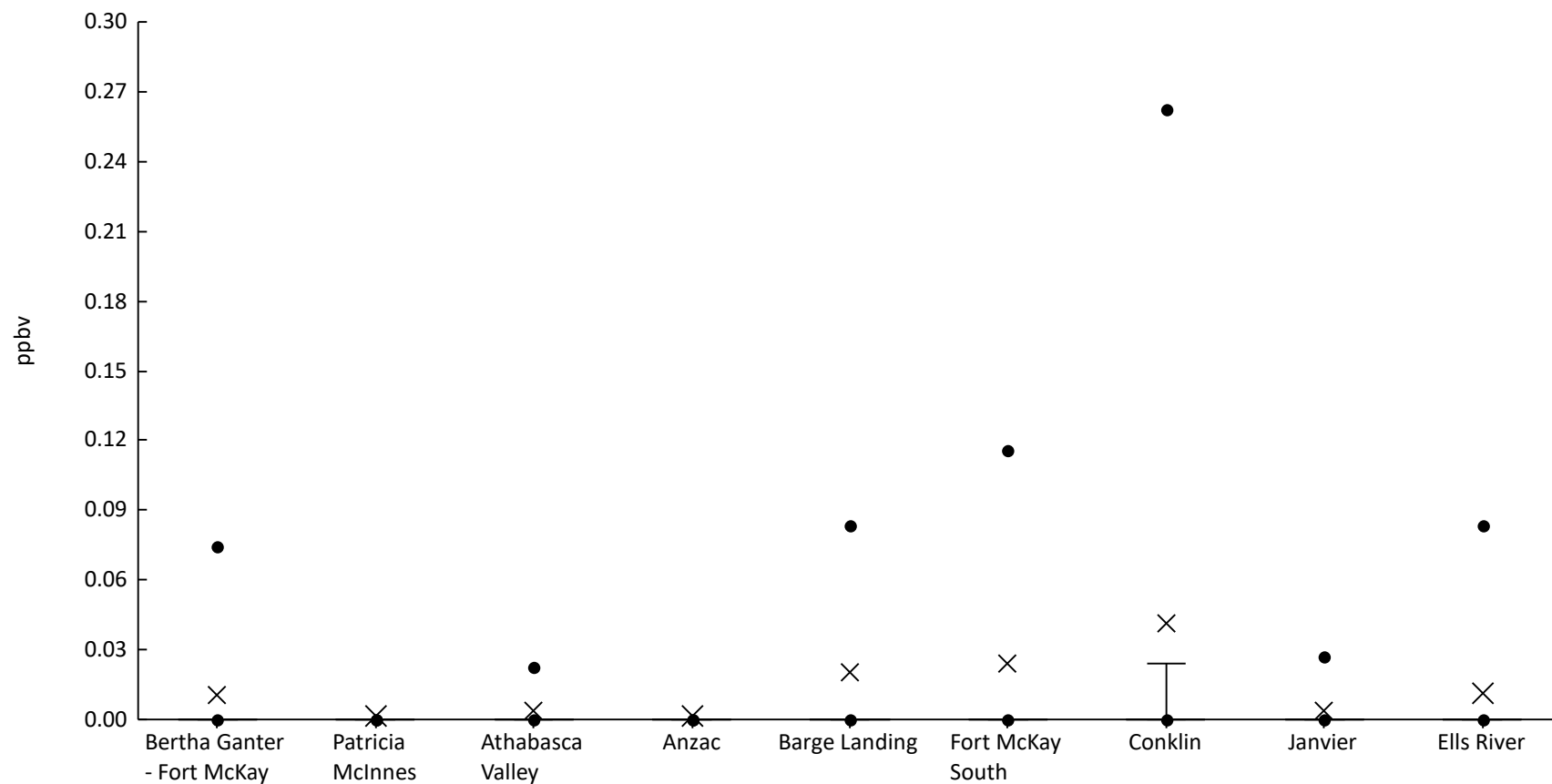
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	92%	0	0	0.05	0.11	0.15	0.2	0.27	0.34	0.45	0.16	0.091
AMS06	Patricia McInnes	60	85%	0	0	0	0.11	0.15	0.2	0.25	0.33	0.47	0.15	0.097
AMS07	Athabasca Valley	61	89%	0	0	0	0.1	0.14	0.19	0.26	0.3	0.48	0.15	0.097
AMS14	Anzac	61	85%	0	0	0	0.1	0.14	0.2	0.27	0.38	0.5	0.15	0.11
AMS09	Barge Landing	61	90%	0	0	0.03	0.098	0.15	0.2	0.29	0.31	0.44	0.15	0.096
AMS13	Fort McKay South	59	90%	0	0	0.02	0.1	0.13	0.18	0.24	0.31	0.45	0.14	0.086
AMS21	Conklin	61	89%	0	0	0	0.12	0.15	0.19	0.22	0.29	0.51	0.15	0.086
AMS22	Janvier	61	87%	0	0	0	0.098	0.15	0.19	0.23	0.28	0.43	0.14	0.082
AMS30	Ells River	61	87%	0	0	0	0.08	0.12	0.17	0.21	0.25	0.45	0.13	0.082





Volatile Organic Compound Canister - beta-Pinene (ppbv) - 2021

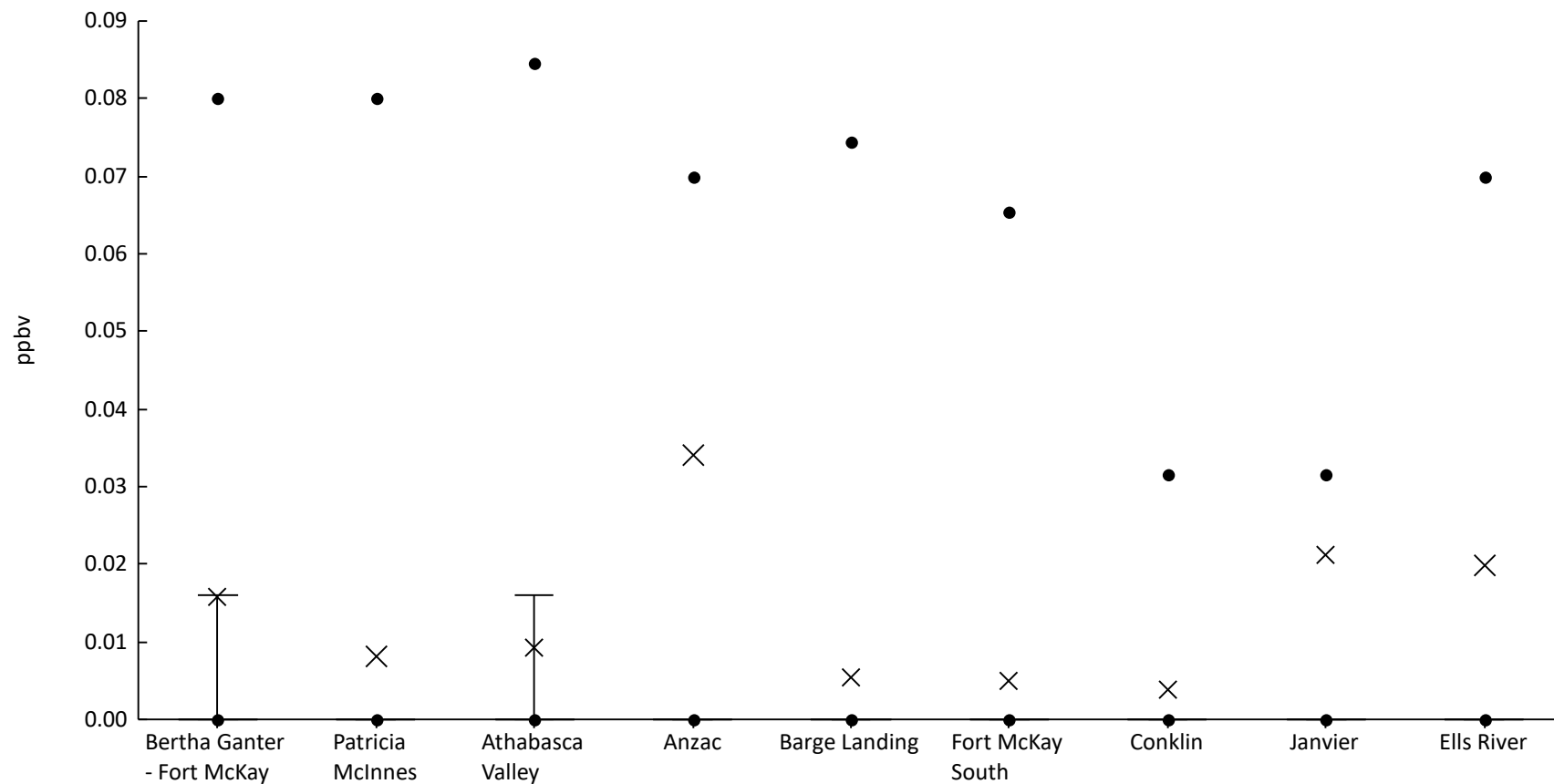
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	7%	0	0	0	0	0	0	0	0.075	0.4	0.011	0.054
AMS06	Patricia McInnes	60	2%	0	0	0	0	0	0	0	0	0.07	1.2E-3	9E-3
AMS07	Athabasca Valley	61	5%	0	0	0	0	0	0	0	0.022	0.11	3.8E-3	0.018
AMS14	Anzac	61	2%	0	0	0	0	0	0	0	0	0.07	1.1E-3	9E-3
AMS09	Barge Landing	61	8%	0	0	0	0	0	0	0	0.083	0.6	0.02	0.093
AMS13	Fort McKay South	59	8%	0	0	0	0	0	0	0	0.12	0.6	0.024	0.1
AMS21	Conklin	61	10%	0	0	0	0	0	0	0.024	0.26	1.3	0.041	0.18
AMS22	Janvier	61	5%	0	0	0	0	0	0	0	0.027	0.08	3.4E-3	0.015
AMS30	Ells River	61	7%	0	0	0	0	0	0	0	0.083	0.4	0.011	0.055





Volatile Organic Compound Canister - cis-2-Butene (ppbv) - 2021

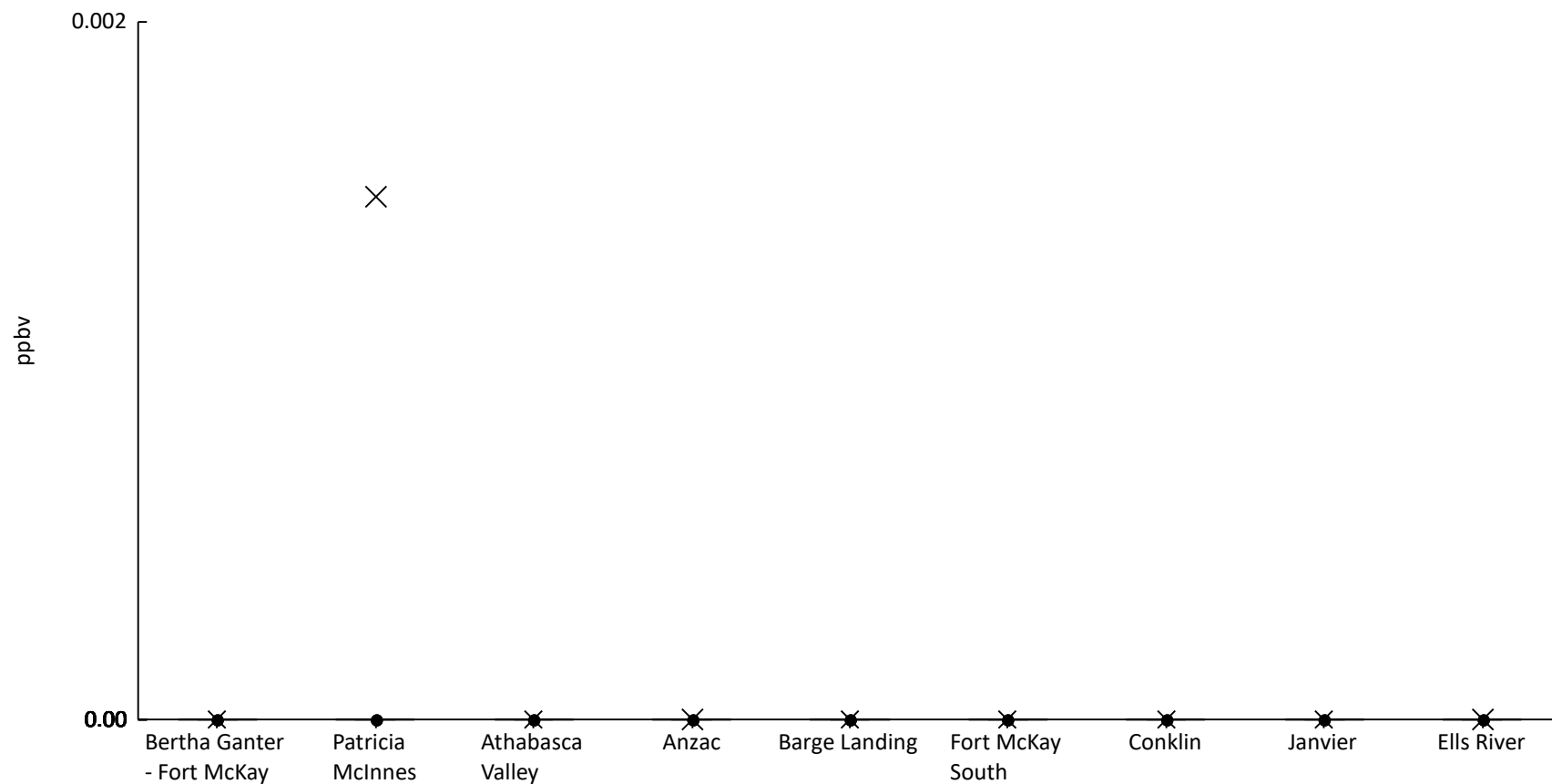
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	10%	0	0	0	0	0	0	0.016	0.08	0.6	0.016	0.079
AMS06	Patricia McInnes	60	7%	0	0	0	0	0	0	0	0.08	0.22	8.2E-3	0.034
AMS07	Athabasca Valley	61	10%	0	0	0	0	0	0	0.016	0.085	0.15	9.3E-3	0.031
AMS14	Anzac	61	7%	0	0	0	0	0	0	0	0.07	1.8	0.034	0.23
AMS09	Barge Landing	61	7%	0	0	0	0	0	0	0	0.075	0.1	5.4E-3	0.021
AMS13	Fort McKay South	59	7%	0	0	0	0	0	0	0	0.066	0.08	4.9E-3	0.019
AMS21	Conklin	61	5%	0	0	0	0	0	0	0	0.031	0.09	3.9E-3	0.018
AMS22	Janvier	61	5%	0	0	0	0	0	0	0	0.031	1.1	0.021	0.15
AMS30	Ells River	61	8%	0	0	0	0	0	0	0	0.07	0.94	0.02	0.12





Volatile Organic Compound Canister - cis-2-Hexene (ppbv) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS06	Patricia McInnes	60	2%	0	0	0	0	0	0	0	0	0.09	1.5E-3	0.012
AMS07	Athabasca Valley	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS14	Anzac	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS09	Barge Landing	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS13	Fort McKay South	59	0%	0	0	0	0	0	0	0	0	0	0	0
AMS21	Conklin	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS22	Janvier	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS30	Ells River	61	0%	0	0	0	0	0	0	0	0	0	0	0

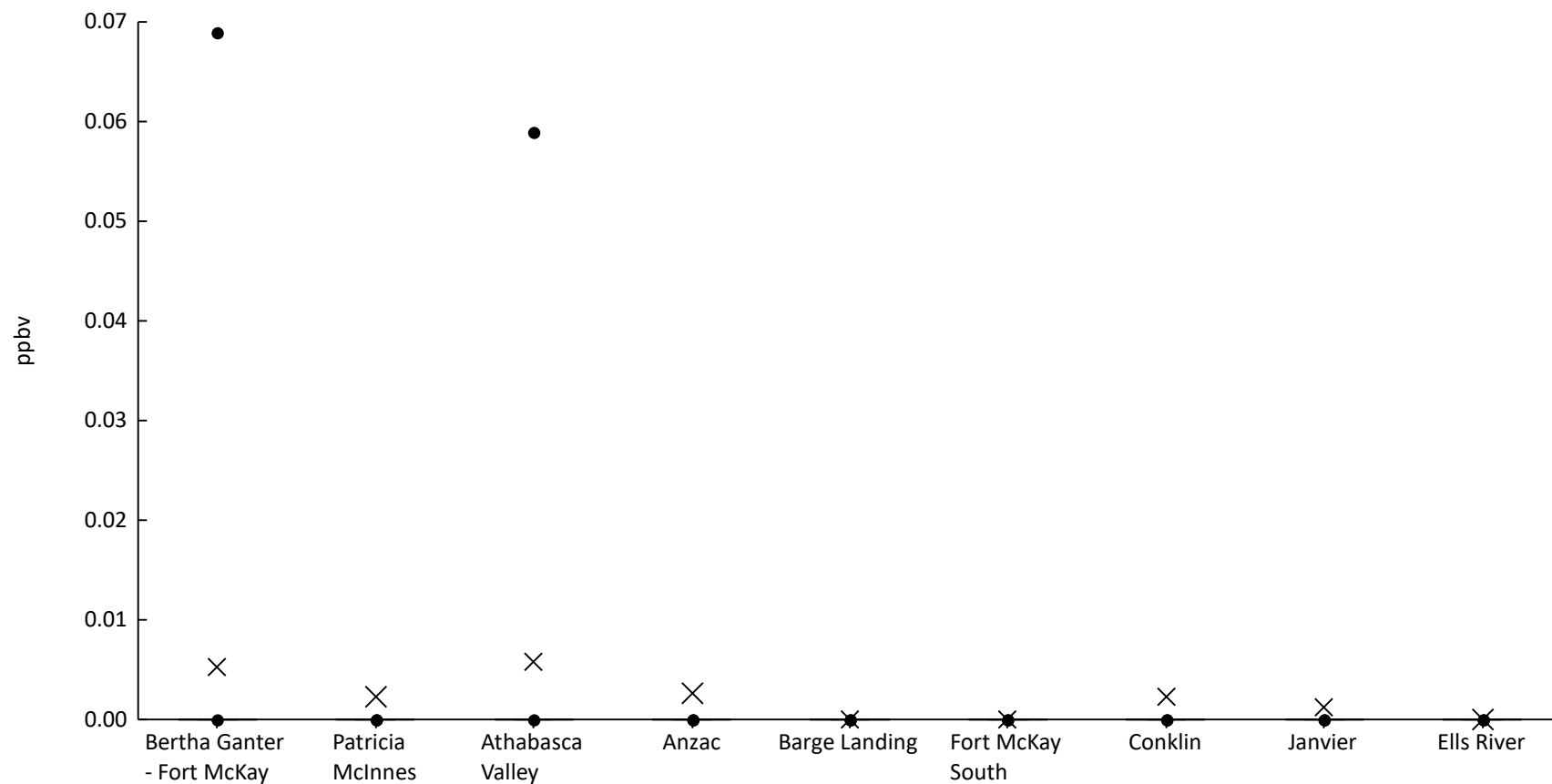






Volatile Organic Compound Canister - cis-2-Pentene (ppbv) - 2021

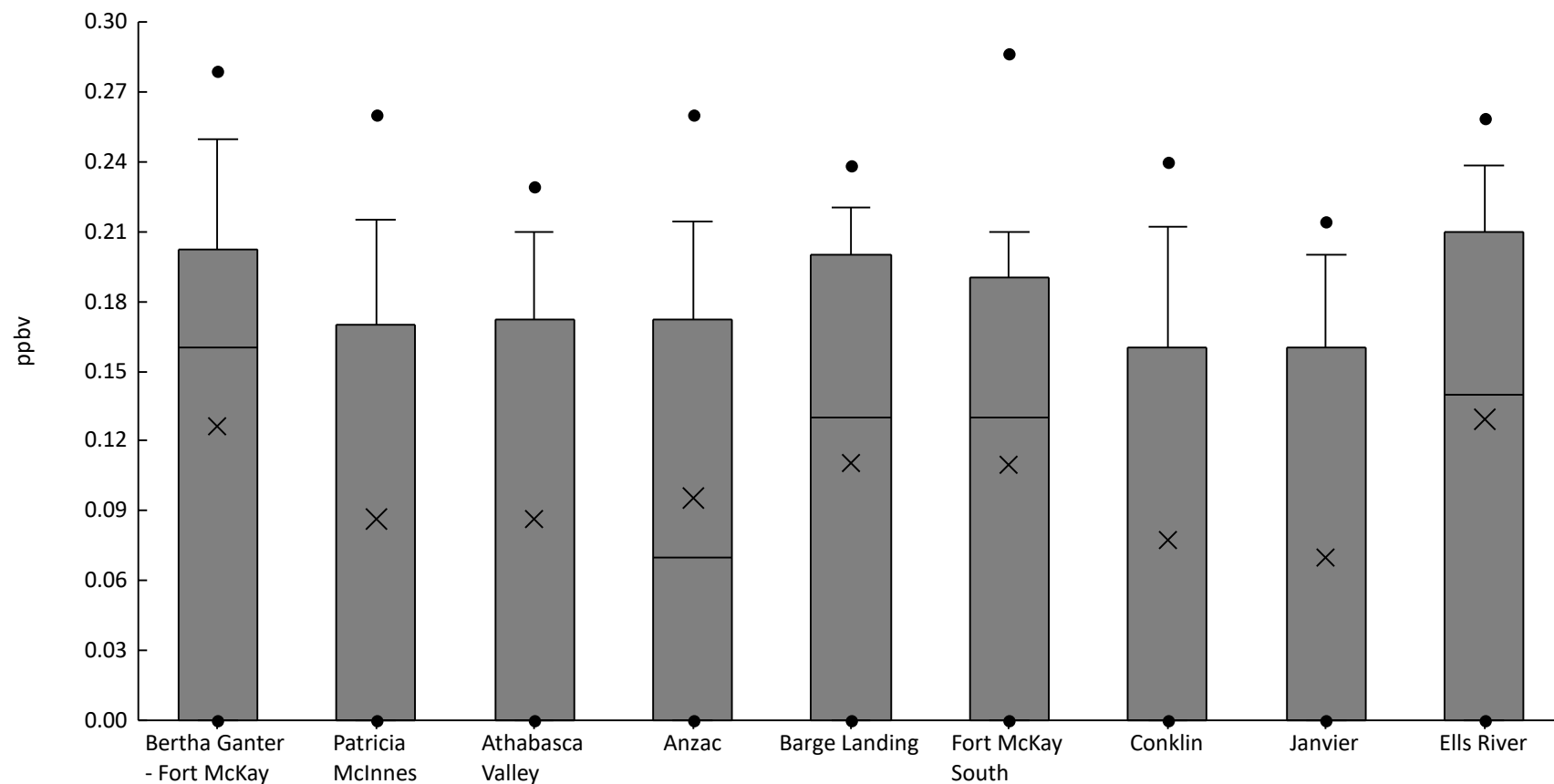
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	7%	0	0	0	0	0	0	0	0.069	0.09	5.2E-3	0.02
AMS06	Patricia McInnes	60	3%	0	0	0	0	0	0	0	0	0.07	2.3E-3	0.013
AMS07	Athabasca Valley	61	8%	0	0	0	0	0	0	0	0.059	0.1	5.7E-3	0.02
AMS14	Anzac	61	3%	0	0	0	0	0	0	0	0	0.08	2.6E-3	0.014
AMS09	Barge Landing	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS13	Fort McKay South	59	0%	0	0	0	0	0	0	0	0	0	0	0
AMS21	Conklin	61	3%	0	0	0	0	0	0	0	0	0.09	2.3E-3	0.013
AMS22	Janvier	61	2%	0	0	0	0	0	0	0	0	0.08	1.3E-3	0.01
AMS30	Ells River	61	0%	0	0	0	0	0	0	0	0	0	0	0





Volatile Organic Compound Canister - Cyclohexane (ppbv) - 2021

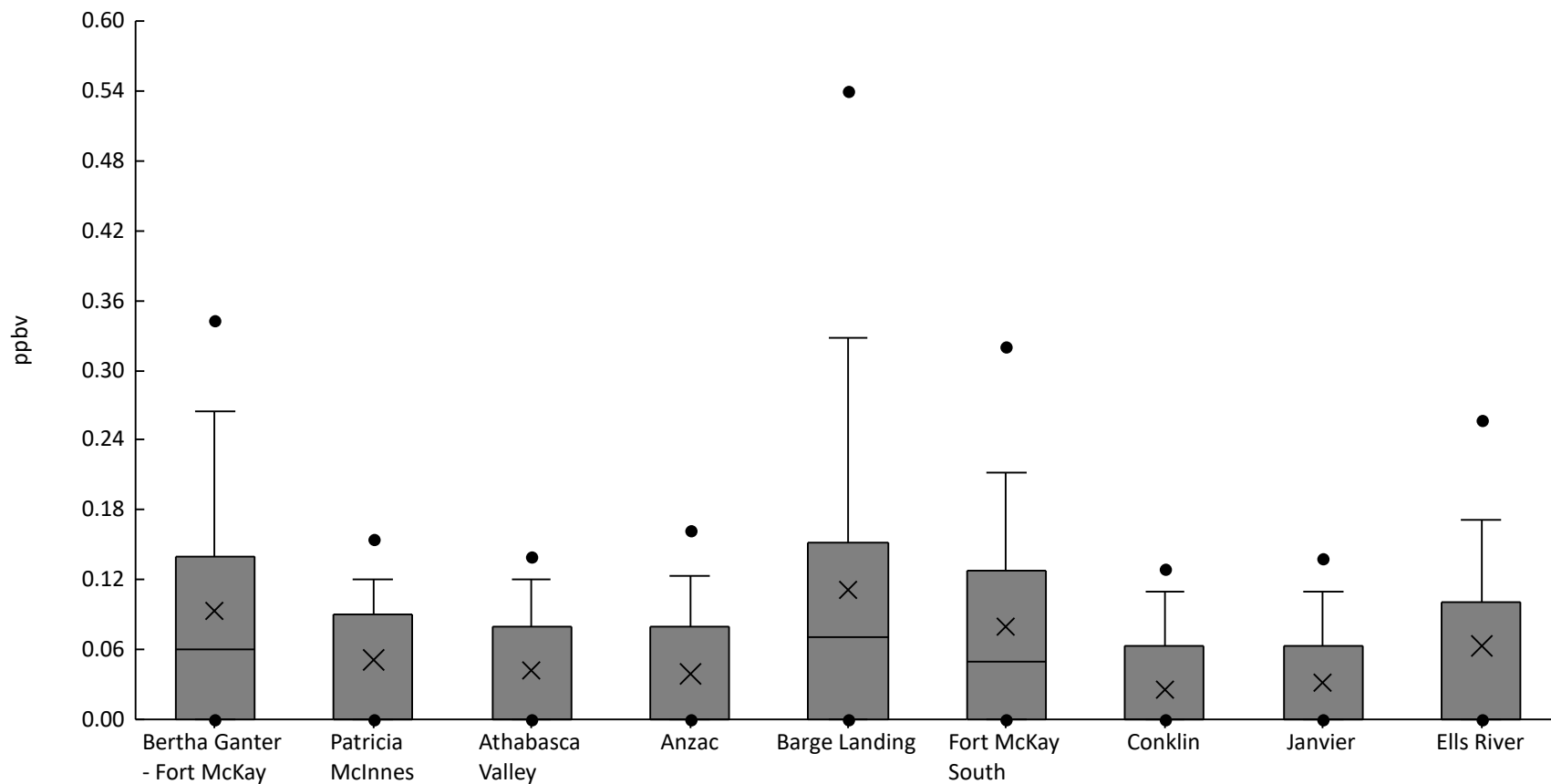
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	64%	0	0	0	0	0.16	0.2	0.25	0.28	0.47	0.13	0.11
AMS06	Patricia McInnes	60	47%	0	0	0	0	0	0.17	0.22	0.26	0.34	0.087	0.1
AMS07	Athabasca Valley	61	49%	0	0	0	0	0	0.17	0.21	0.23	0.29	0.087	0.095
AMS14	Anzac	61	51%	0	0	0	0	0.07	0.17	0.21	0.26	0.63	0.096	0.12
AMS09	Barge Landing	61	61%	0	0	0	0	0.13	0.2	0.22	0.24	0.32	0.11	0.098
AMS13	Fort McKay South	59	58%	0	0	0	0	0.13	0.19	0.21	0.29	0.39	0.11	0.11
AMS21	Conklin	61	41%	0	0	0	0	0	0.16	0.21	0.24	0.53	0.077	0.11
AMS22	Janvier	61	38%	0	0	0	0	0	0.16	0.2	0.21	0.37	0.07	0.096
AMS30	Ells River	61	59%	0	0	0	0	0.14	0.21	0.24	0.26	1.2	0.13	0.17





Volatile Organic Compound Canister - Cyclopentane (ppbv) - 2021

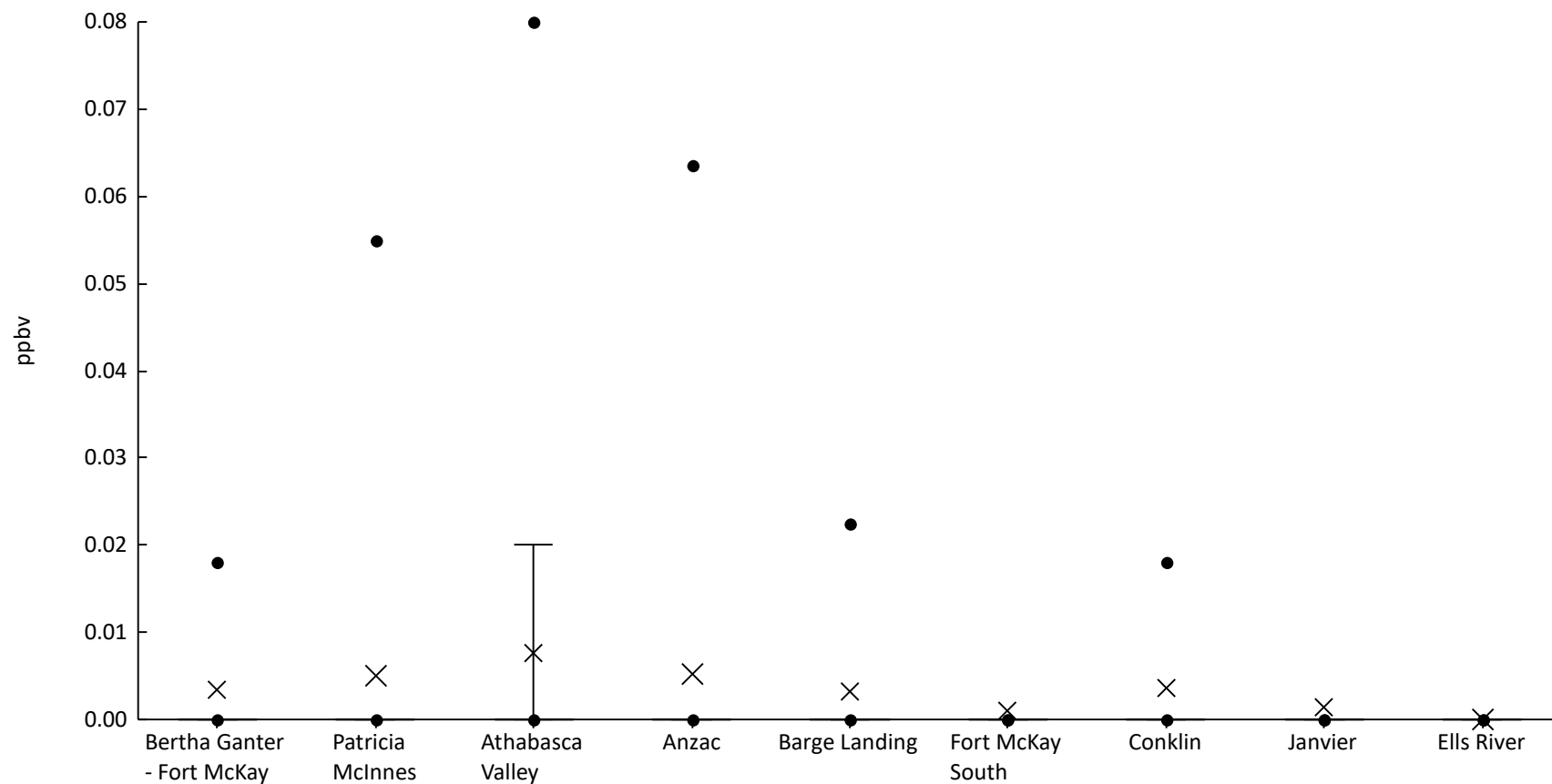
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	54%	0	0	0	0	0.06	0.14	0.26	0.34	0.58	0.093	0.12
AMS06	Patricia McInnes	60	45%	0	0	0	0	0	0.09	0.12	0.16	0.43	0.051	0.076
AMS07	Athabasca Valley	61	43%	0	0	0	0	0	0.08	0.12	0.14	0.28	0.042	0.059
AMS14	Anzac	61	38%	0	0	0	0	0	0.08	0.12	0.16	0.22	0.039	0.058
AMS09	Barge Landing	61	56%	0	0	0	0	0.07	0.15	0.33	0.54	0.69	0.11	0.16
AMS13	Fort McKay South	59	51%	0	0	0	0	0.05	0.13	0.21	0.32	0.48	0.08	0.11
AMS21	Conklin	61	26%	0	0	0	0	0	0.063	0.11	0.13	0.17	0.026	0.047
AMS22	Janvier	61	30%	0	0	0	0	0	0.063	0.11	0.14	0.34	0.032	0.062
AMS30	Ells River	61	41%	0	0	0	0	0	0.1	0.17	0.26	0.67	0.063	0.11





Volatile Organic Compound Canister - Cyclopentene (ppbv) - 2021

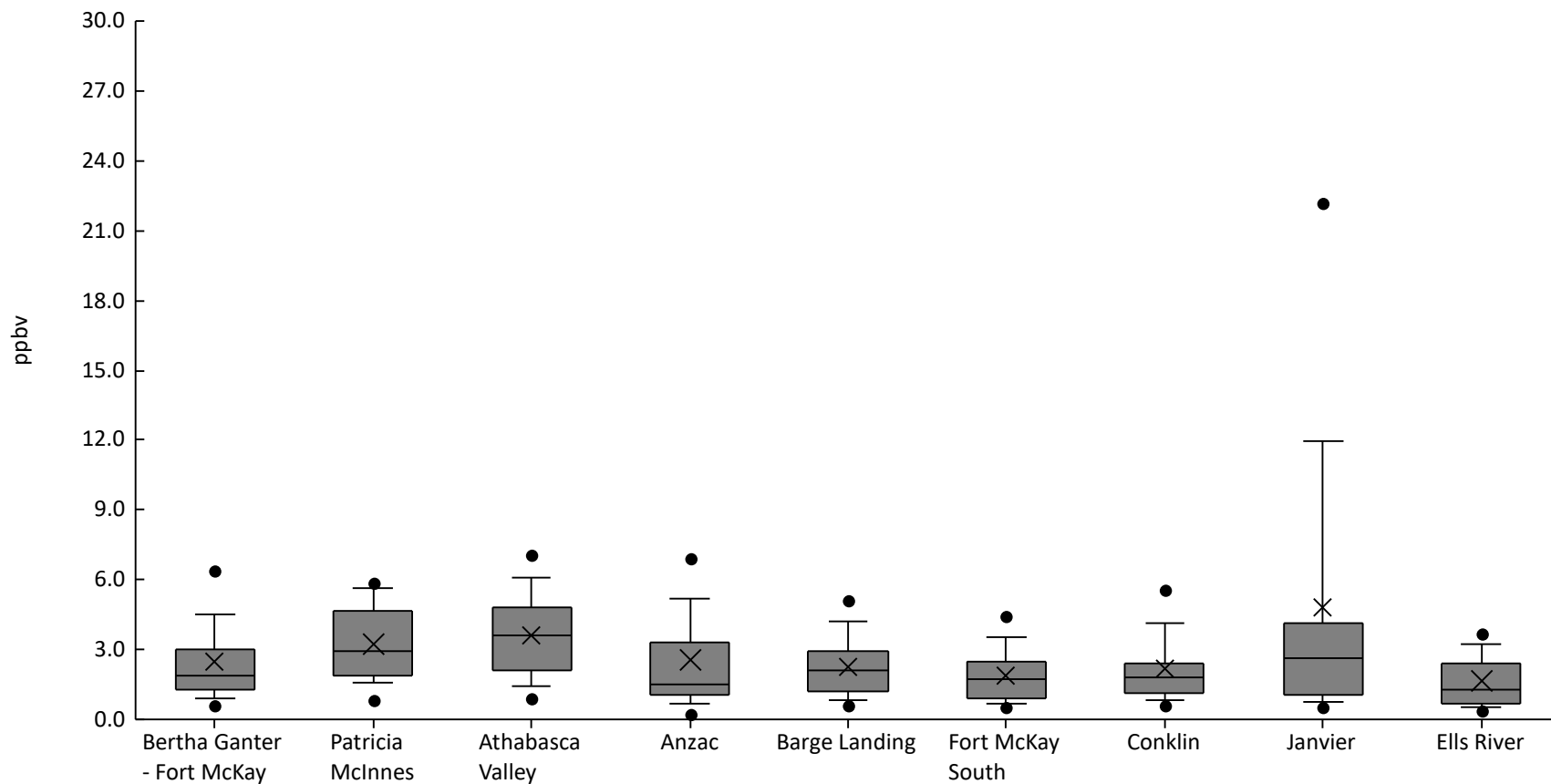
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	5%	0	0	0	0	0	0	0	0.018	0.09	3.4E-3	0.016
AMS06	Patricia McInnes	60	7%	0	0	0	0	0	0	0	0.055	0.11	5E-3	0.02
AMS07	Athabasca Valley	61	10%	0	0	0	0	0	0	0.02	0.08	0.11	7.5E-3	0.024
AMS14	Anzac	61	7%	0	0	0	0	0	0	0	0.063	0.11	5.2E-3	0.021
AMS09	Barge Landing	61	5%	0	0	0	0	0	0	0	0.022	0.08	3.1E-3	0.014
AMS13	Fort McKay South	59	2%	0	0	0	0	0	0	0	0	0.06	1E-3	7.8E-3
AMS21	Conklin	61	5%	0	0	0	0	0	0	0	0.018	0.09	3.6E-3	0.017
AMS22	Janvier	61	2%	0	0	0	0	0	0	0	0	0.08	1.3E-3	0.01
AMS30	Ells River	61	0%	0	0	0	0	0	0	0	0	0	0	0





Volatile Organic Compound Canister - Ethanol (ppbv) - 2021

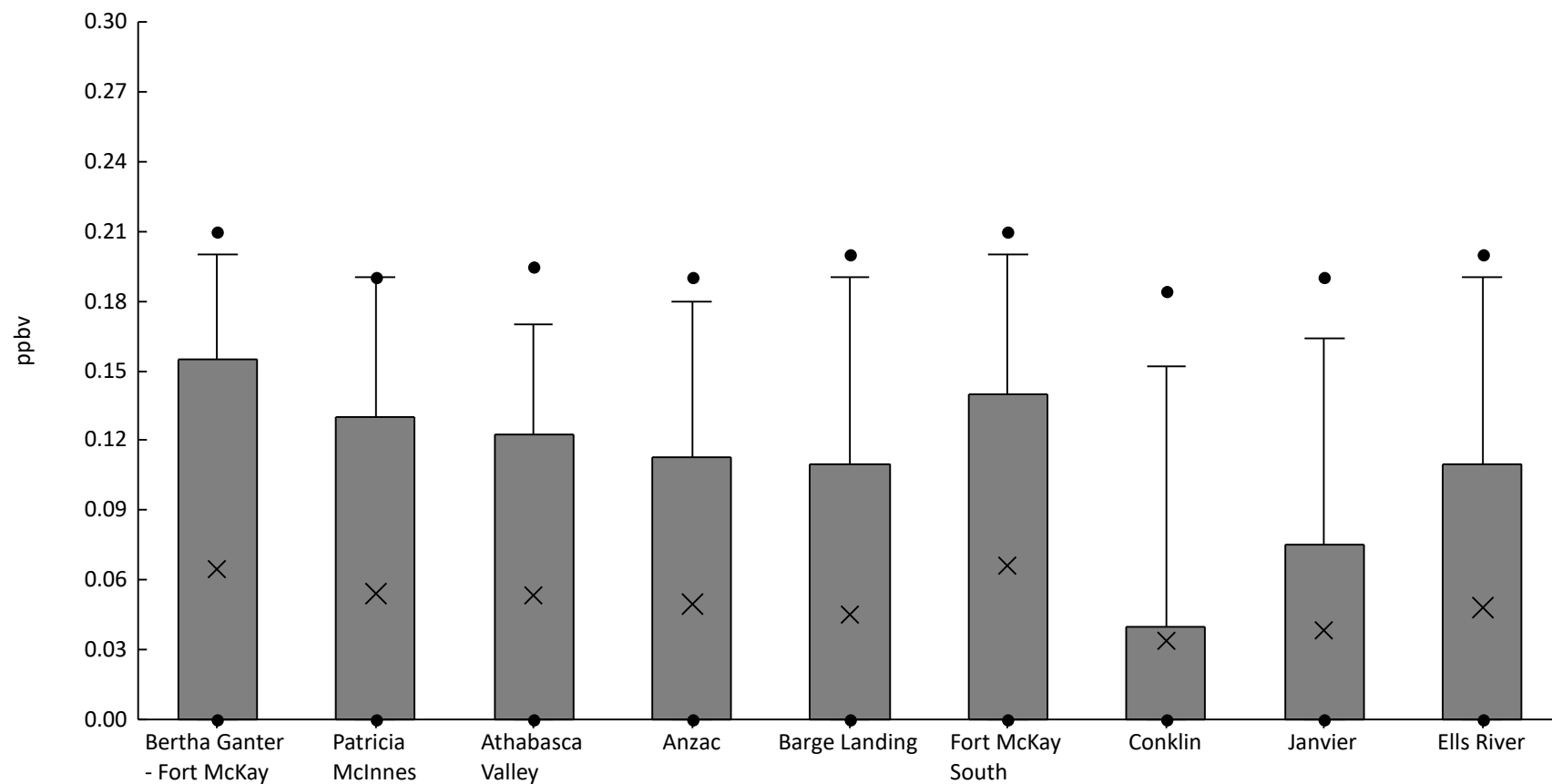
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	0.62	0.93	1.3	1.9	3	4.5	6.4	9.9	2.5	1.8
AMS06	Patricia McInnes	60	98%	0	0.86	1.6	1.9	2.9	4.7	5.7	5.9	6.5	3.2	1.6
AMS07	Athabasca Valley	61	100%	0.61	0.91	1.4	2.1	3.6	4.8	6.1	7.1	8.6	3.6	1.9
AMS14	Anzac	61	95%	0	0.23	0.68	1	1.5	3.3	5.2	6.9	20	2.5	2.8
AMS09	Barge Landing	61	100%	0.6	0.62	0.86	1.2	2.1	3	4.2	5.1	7	2.3	1.4
AMS13	Fort McKay South	59	97%	0	0.5	0.66	0.88	1.7	2.5	3.5	4.4	7.8	1.9	1.4
AMS21	Conklin	61	97%	0	0.59	0.8	1.1	1.8	2.4	4.1	5.6	8.5	2.2	1.6
AMS22	Janvier	61	98%	0	0.56	0.75	1.1	2.6	4.2	12	22	33	4.8	6.7
AMS30	Ells River	61	97%	0	0.38	0.53	0.71	1.3	2.4	3.2	3.7	4.2	1.6	1.1





Volatile Organic Compound Canister - Ethylbenzene (ppbv) - 2021

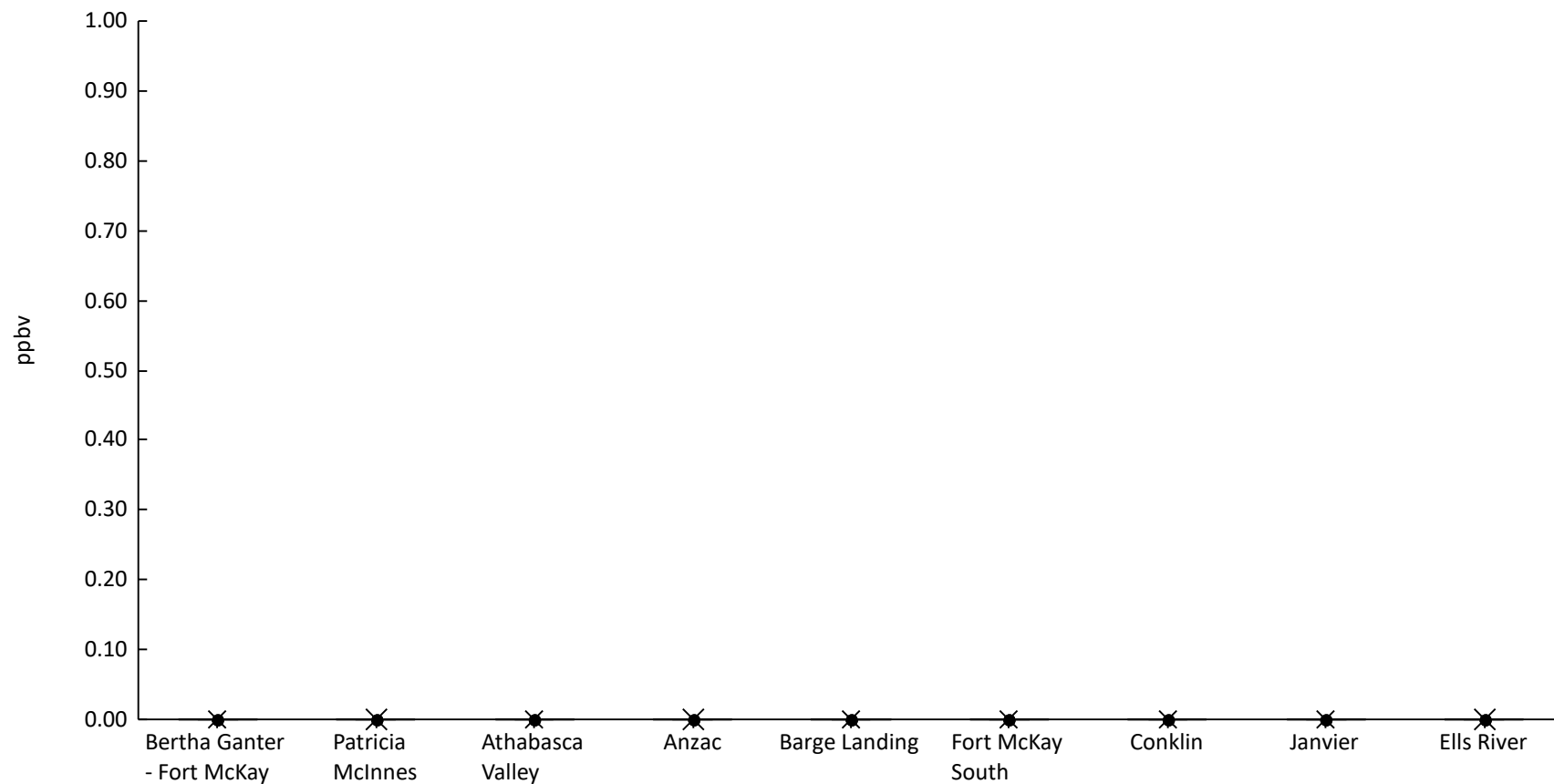
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	38%	0	0	0	0	0	0.16	0.2	0.21	0.23	0.065	0.088
AMS06	Patricia McInnes	60	37%	0	0	0	0	0	0.13	0.19	0.19	0.21	0.055	0.077
AMS07	Athabasca Valley	61	38%	0	0	0	0	0	0.12	0.17	0.19	0.2	0.053	0.073
AMS14	Anzac	61	34%	0	0	0	0	0	0.11	0.18	0.19	0.2	0.05	0.074
AMS09	Barge Landing	61	30%	0	0	0	0	0	0.11	0.19	0.2	0.23	0.045	0.076
AMS13	Fort McKay South	59	37%	0	0	0	0	0	0.14	0.2	0.21	0.49	0.066	0.1
AMS21	Conklin	61	26%	0	0	0	0	0	0.04	0.15	0.18	0.22	0.034	0.063
AMS22	Janvier	61	28%	0	0	0	0	0	0.075	0.16	0.19	0.2	0.039	0.068
AMS30	Ells River	61	30%	0	0	0	0	0	0.11	0.19	0.2	0.22	0.048	0.079





Volatile Organic Compound Canister - Formaldehyde (ppbv) - 2021

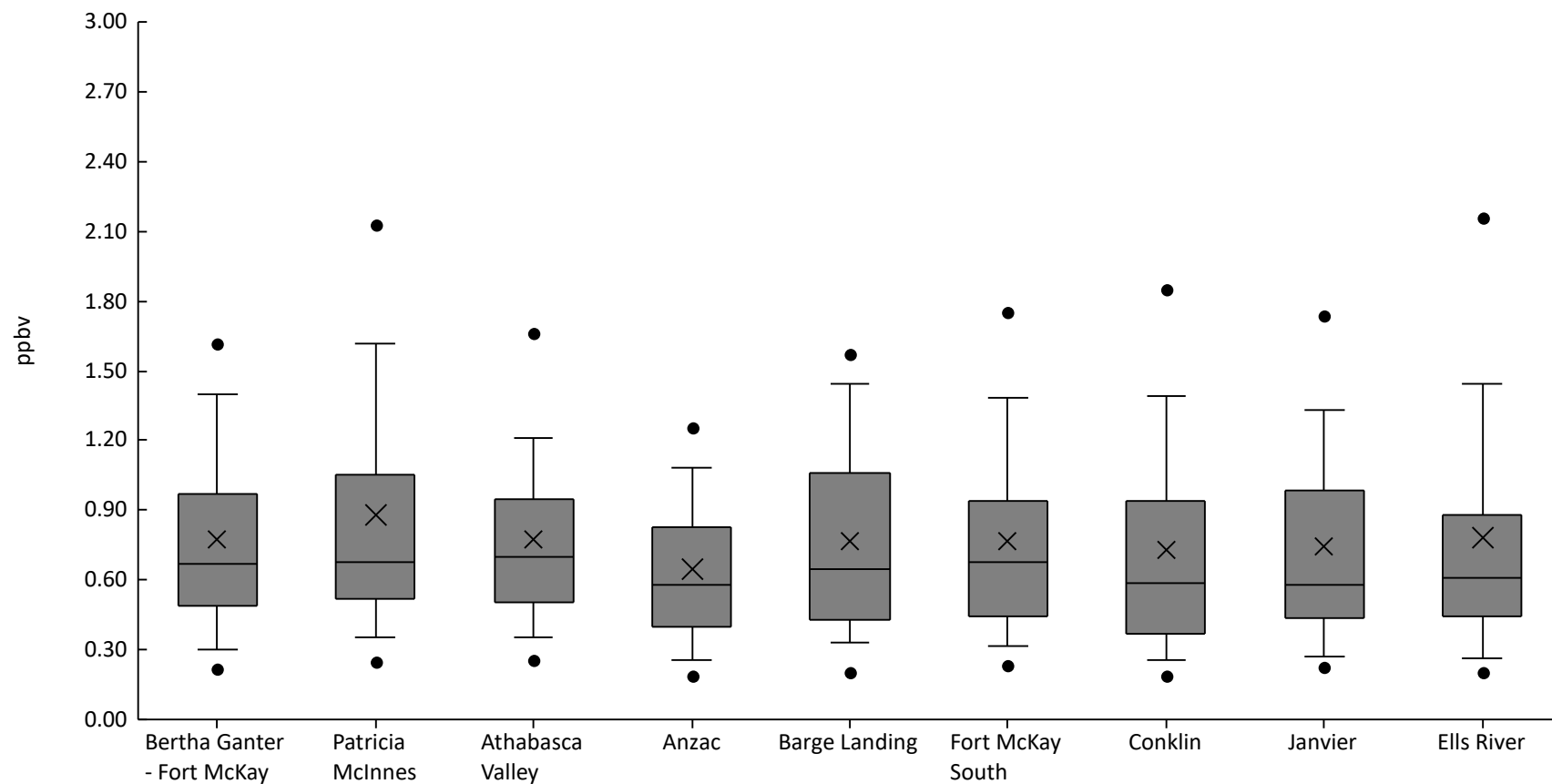
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS06	Patricia McInnes	60	0%	0	0	0	0	0	0	0	0	0	0	0
AMS07	Athabasca Valley	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS14	Anzac	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS09	Barge Landing	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS13	Fort McKay South	59	0%	0	0	0	0	0	0	0	0	0	0	0
AMS21	Conklin	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS22	Janvier	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS30	Ells River	61	0%	0	0	0	0	0	0	0	0	0	0	0





Volatile Organic Compound Canister - Isobutane (ppbv) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	0.17	0.22	0.3	0.49	0.67	0.97	1.4	1.6	2.2	0.78	0.42
AMS06	Patricia McInnes	60	100%	0.17	0.25	0.35	0.52	0.68	1.1	1.6	2.1	3.9	0.88	0.65
AMS07	Athabasca Valley	61	100%	0.14	0.25	0.35	0.51	0.7	0.95	1.2	1.7	2.2	0.77	0.41
AMS14	Anzac	61	100%	0.16	0.19	0.26	0.4	0.58	0.83	1.1	1.3	2.5	0.65	0.38
AMS09	Barge Landing	61	100%	0.07	0.2	0.33	0.43	0.65	1.1	1.4	1.6	2.4	0.77	0.46
AMS13	Fort McKay South	59	100%	0.15	0.23	0.32	0.44	0.68	0.94	1.4	1.8	2.8	0.76	0.48
AMS21	Conklin	61	98%	0	0.19	0.26	0.37	0.59	0.94	1.4	1.8	2.6	0.73	0.53
AMS22	Janvier	61	100%	0.19	0.22	0.27	0.44	0.58	0.98	1.3	1.7	2.4	0.75	0.48
AMS30	Ells River	61	100%	0.13	0.21	0.26	0.45	0.61	0.88	1.4	2.2	2.7	0.79	0.54

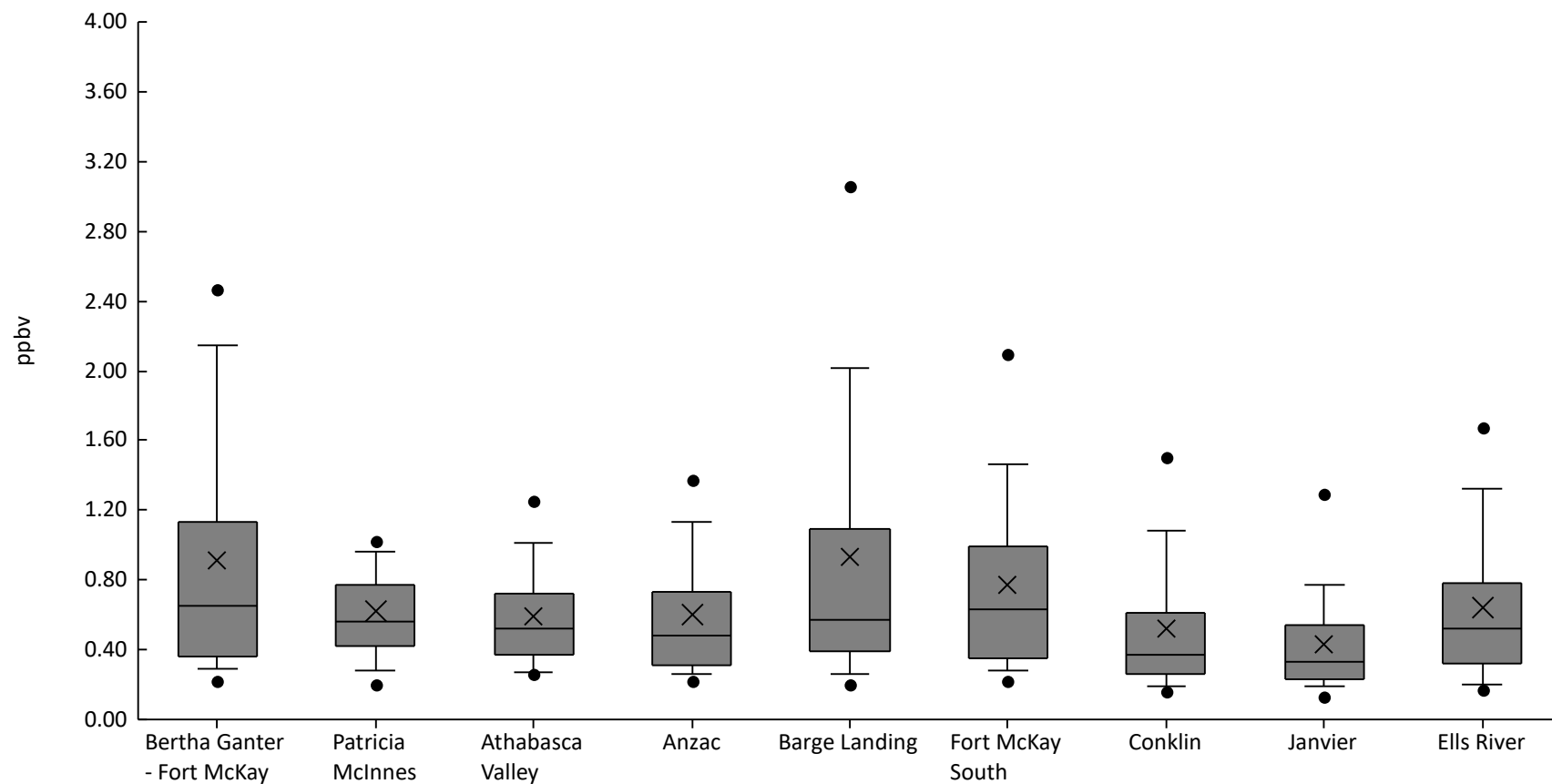






Volatile Organic Compound Canister - Isopentane (ppbv) - 2021

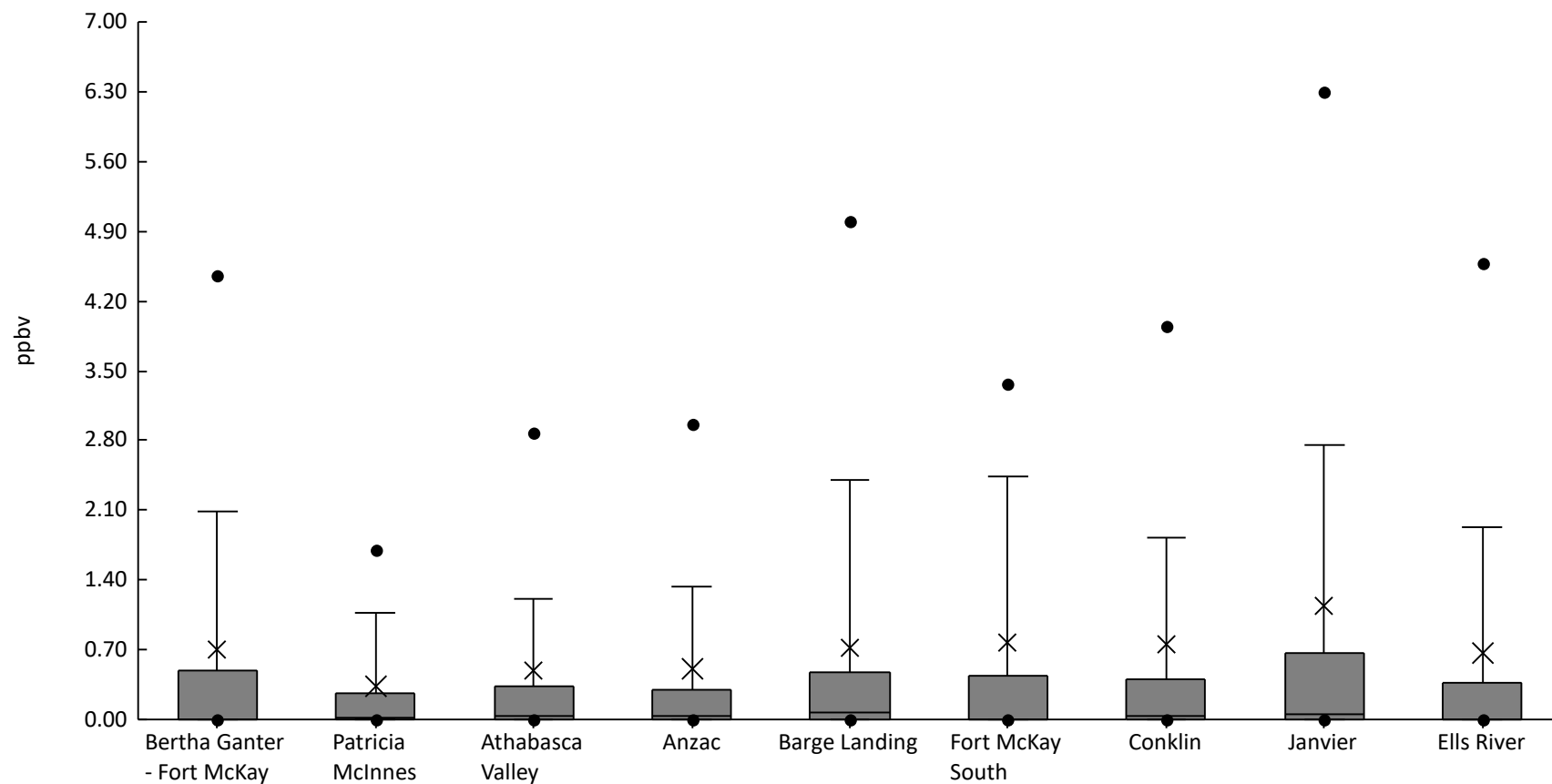
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	0.17	0.23	0.29	0.36	0.65	1.1	2.1	2.5	2.9	0.91	0.69
AMS06	Patricia McInnes	60	98%	0	0.21	0.29	0.43	0.56	0.77	0.97	1	1.9	0.62	0.33
AMS07	Athabasca Valley	61	100%	0.24	0.26	0.27	0.37	0.52	0.72	1	1.2	2	0.59	0.33
AMS14	Anzac	61	100%	0.08	0.22	0.26	0.31	0.48	0.73	1.1	1.4	2.2	0.6	0.42
AMS09	Barge Landing	61	100%	0.16	0.21	0.26	0.39	0.57	1.1	2	3.1	4.4	0.93	0.91
AMS13	Fort McKay South	59	100%	0.13	0.22	0.28	0.35	0.63	0.99	1.5	2.1	2.9	0.77	0.58
AMS21	Conklin	61	98%	0	0.16	0.19	0.26	0.37	0.62	1.1	1.5	2	0.52	0.41
AMS22	Janvier	61	100%	0.04	0.13	0.19	0.23	0.33	0.54	0.77	1.3	1.5	0.43	0.31
AMS30	Ells River	61	100%	0.13	0.17	0.2	0.32	0.52	0.78	1.3	1.7	2.1	0.65	0.46





Volatile Organic Compound Canister - Isoprene (ppbv) - 2021

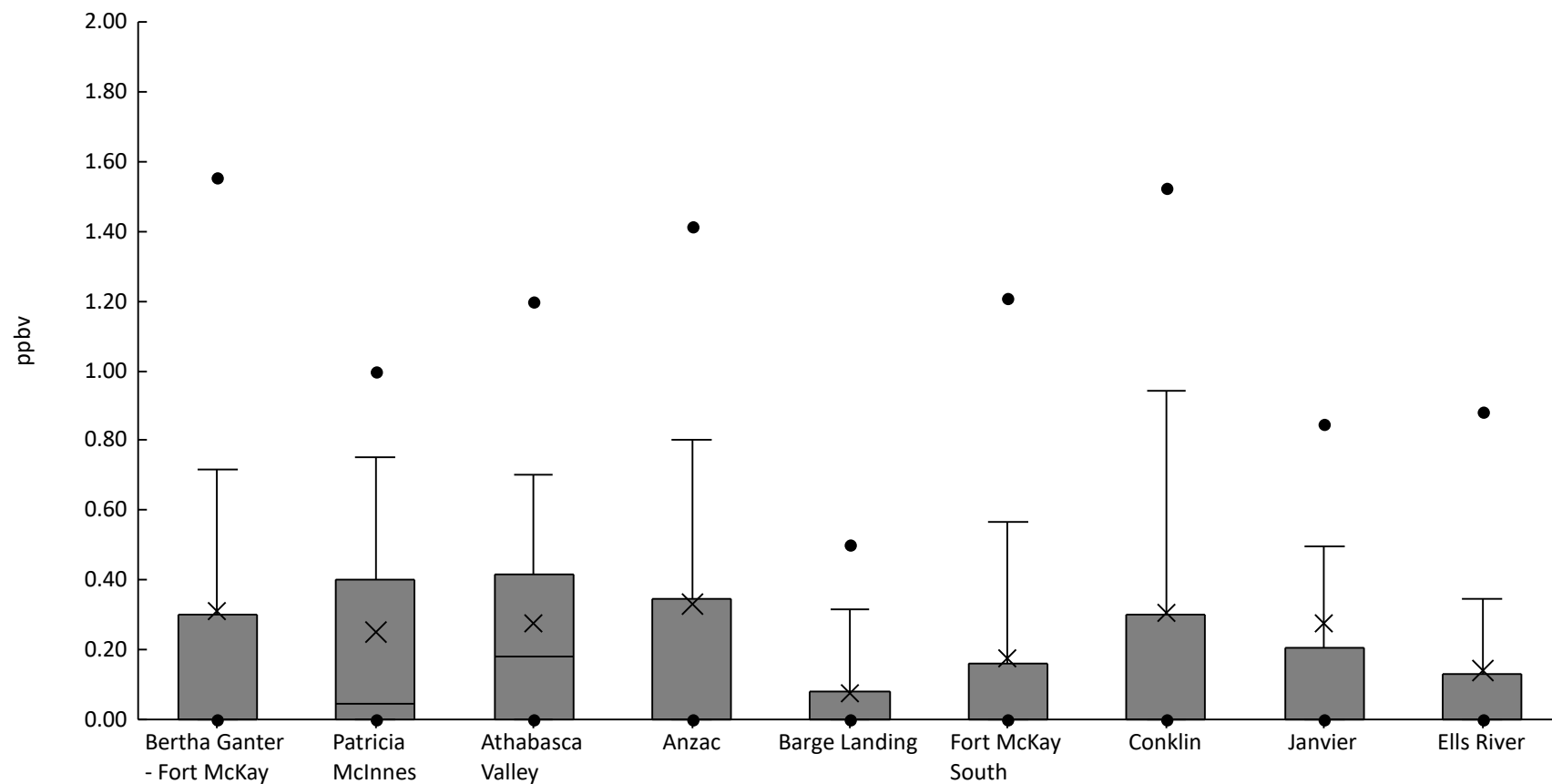
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	48%	0	0	0	0	0	0.49	2.1	4.5	9.5	0.7	1.7
AMS06	Patricia McInnes	60	50%	0	0	0	0	0.02	0.26	1.1	1.7	4.4	0.34	0.75
AMS07	Athabasca Valley	61	52%	0	0	0	0	0.04	0.33	1.2	2.9	6.3	0.49	1.2
AMS14	Anzac	61	51%	0	0	0	0	0.03	0.3	1.3	3	6.9	0.51	1.3
AMS09	Barge Landing	61	52%	0	0	0	0	0.07	0.47	2.4	5	7.8	0.71	1.6
AMS13	Fort McKay South	59	49%	0	0	0	0	0	0.44	2.4	3.4	11	0.77	1.9
AMS21	Conklin	61	51%	0	0	0	0	0.04	0.4	1.8	3.9	14	0.76	2.2
AMS22	Janvier	61	52%	0	0	0	0	0.05	0.67	2.8	6.3	18	1.1	3.2
AMS30	Ells River	61	49%	0	0	0	0	0	0.37	1.9	4.6	8.2	0.67	1.6





Volatile Organic Compound Canister - Isopropylalcohol (ppbv) - 2021

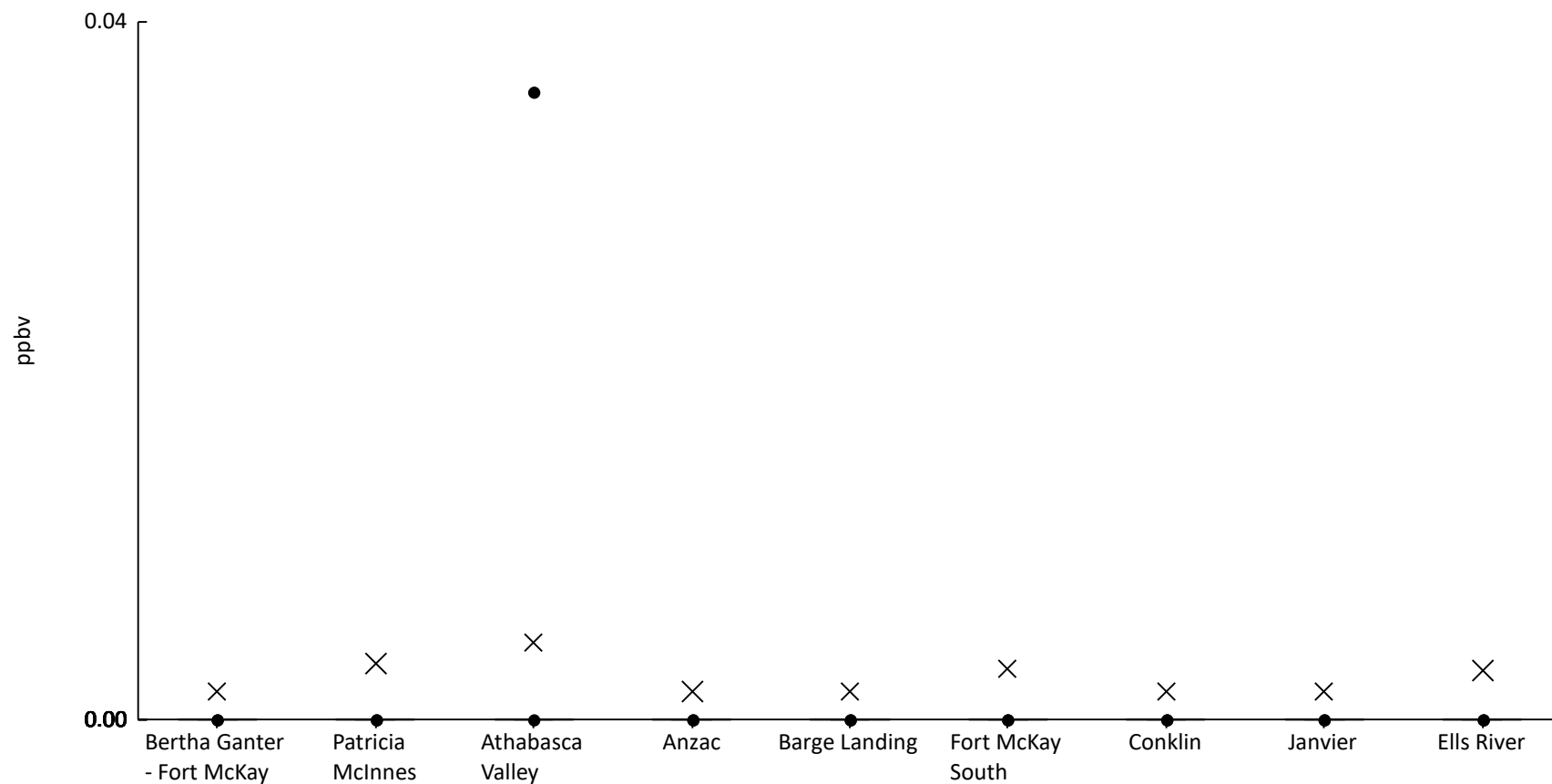
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	43%	0	0	0	0	0	0.3	0.72	1.6	5.1	0.31	0.8
AMS06	Patricia McInnes	60	50%	0	0	0	0	0.045	0.4	0.75	1	1.8	0.25	0.36
AMS07	Athabasca Valley	61	51%	0	0	0	0	0.18	0.42	0.7	1.2	1.3	0.28	0.36
AMS14	Anzac	61	48%	0	0	0	0	0	0.35	0.8	1.4	4.9	0.33	0.74
AMS09	Barge Landing	61	28%	0	0	0	0	0	0.083	0.31	0.5	0.6	0.077	0.16
AMS13	Fort McKay South	59	32%	0	0	0	0	0	0.16	0.56	1.2	2.1	0.17	0.4
AMS21	Conklin	61	43%	0	0	0	0	0	0.3	0.94	1.5	3.9	0.3	0.7
AMS22	Janvier	61	34%	0	0	0	0	0	0.21	0.5	0.85	8.8	0.28	1.1
AMS30	Ells River	61	33%	0	0	0	0	0	0.13	0.35	0.88	1.7	0.14	0.32





Volatile Organic Compound Canister - Isopropylbenzene (ppbv) - 2021

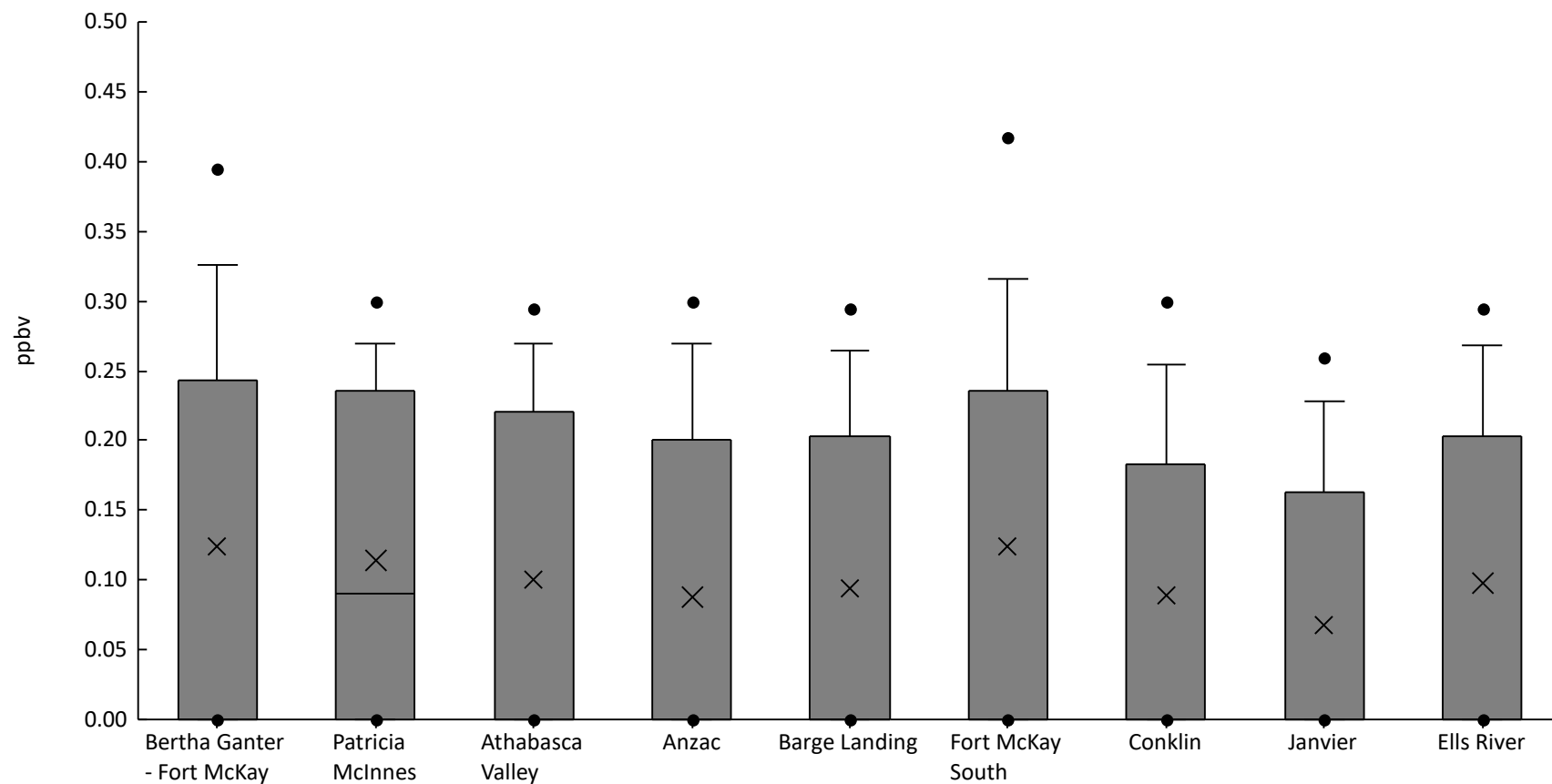
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	2%	0	0	0	0	0	0	0	0	0.1	1.6E-3	0.013
AMS06	Patricia McInnes	60	3%	0	0	0	0	0	0	0	0	0.1	3.2E-3	0.017
AMS07	Athabasca Valley	61	5%	0	0	0	0	0	0	0	0.036	0.1	4.4E-3	0.02
AMS14	Anzac	61	2%	0	0	0	0	0	0	0	0	0.1	1.6E-3	0.013
AMS09	Barge Landing	61	2%	0	0	0	0	0	0	0	0	0.1	1.6E-3	0.013
AMS13	Fort McKay South	59	3%	0	0	0	0	0	0	0	0	0.1	2.9E-3	0.016
AMS21	Conklin	61	2%	0	0	0	0	0	0	0	0	0.1	1.6E-3	0.013
AMS22	Janvier	61	2%	0	0	0	0	0	0	0	0	0.1	1.6E-3	0.013
AMS30	Ells River	61	3%	0	0	0	0	0	0	0	0	0.1	2.8E-3	0.016





Volatile Organic Compound Canister - m,p-Xylene (ppbv) - 2021

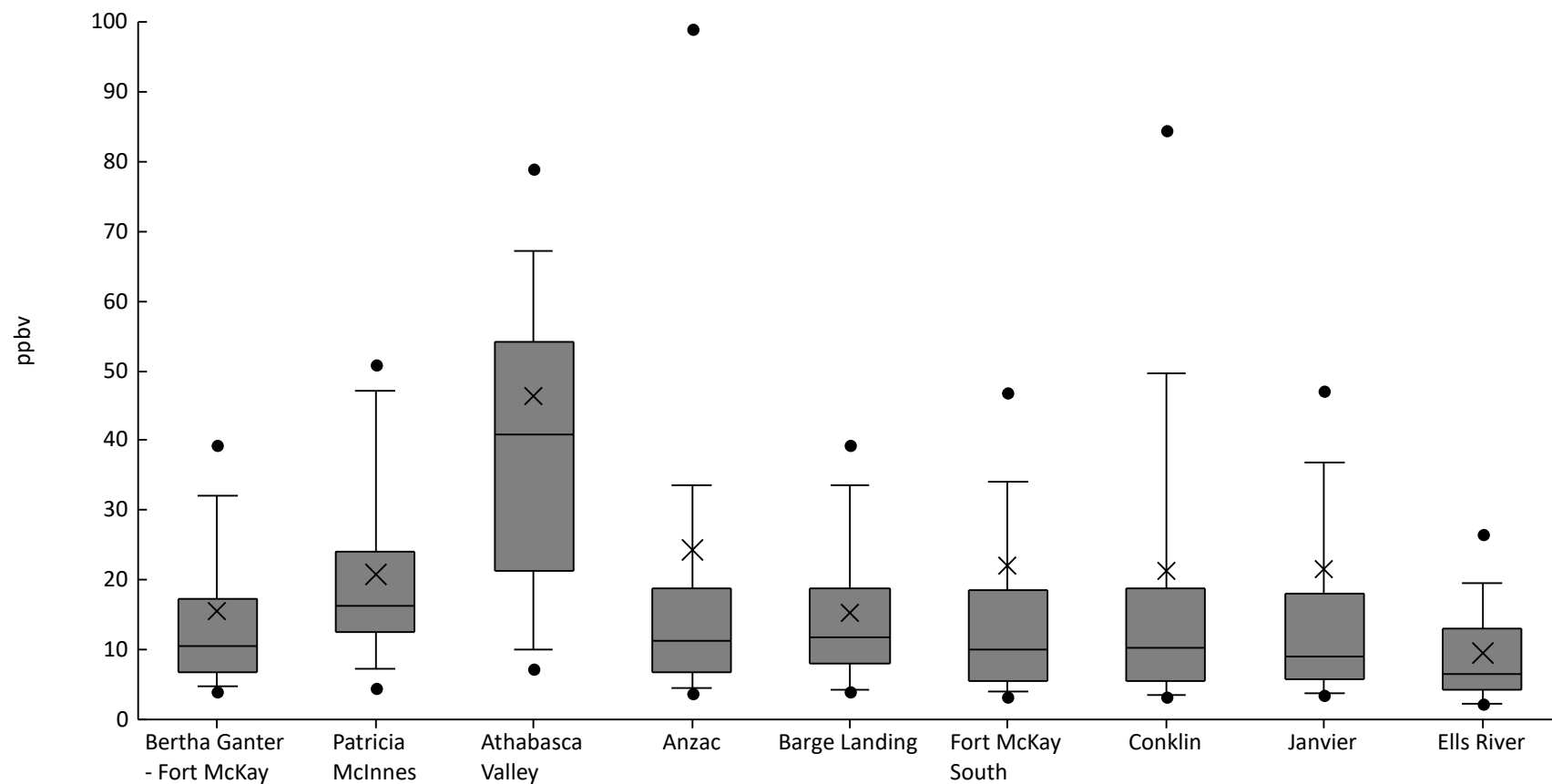
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	48%	0	0	0	0	0	0.24	0.33	0.39	0.44	0.12	0.14
AMS06	Patricia McInnes	60	52%	0	0	0	0	0.09	0.24	0.27	0.3	0.34	0.11	0.12
AMS07	Athabasca Valley	61	48%	0	0	0	0	0	0.22	0.27	0.29	0.32	0.1	0.12
AMS14	Anzac	61	38%	0	0	0	0	0	0.2	0.27	0.3	0.49	0.088	0.13
AMS09	Barge Landing	61	41%	0	0	0	0	0	0.2	0.26	0.29	0.41	0.094	0.12
AMS13	Fort McKay South	59	47%	0	0	0	0	0	0.24	0.32	0.42	0.48	0.12	0.15
AMS21	Conklin	61	43%	0	0	0	0	0	0.18	0.25	0.3	0.42	0.089	0.12
AMS22	Janvier	61	34%	0	0	0	0	0	0.16	0.23	0.26	0.29	0.068	0.1
AMS30	Ells River	61	43%	0	0	0	0	0	0.2	0.27	0.29	0.41	0.098	0.12





Volatile Organic Compound Canister - Methanol (ppbv) - 2021

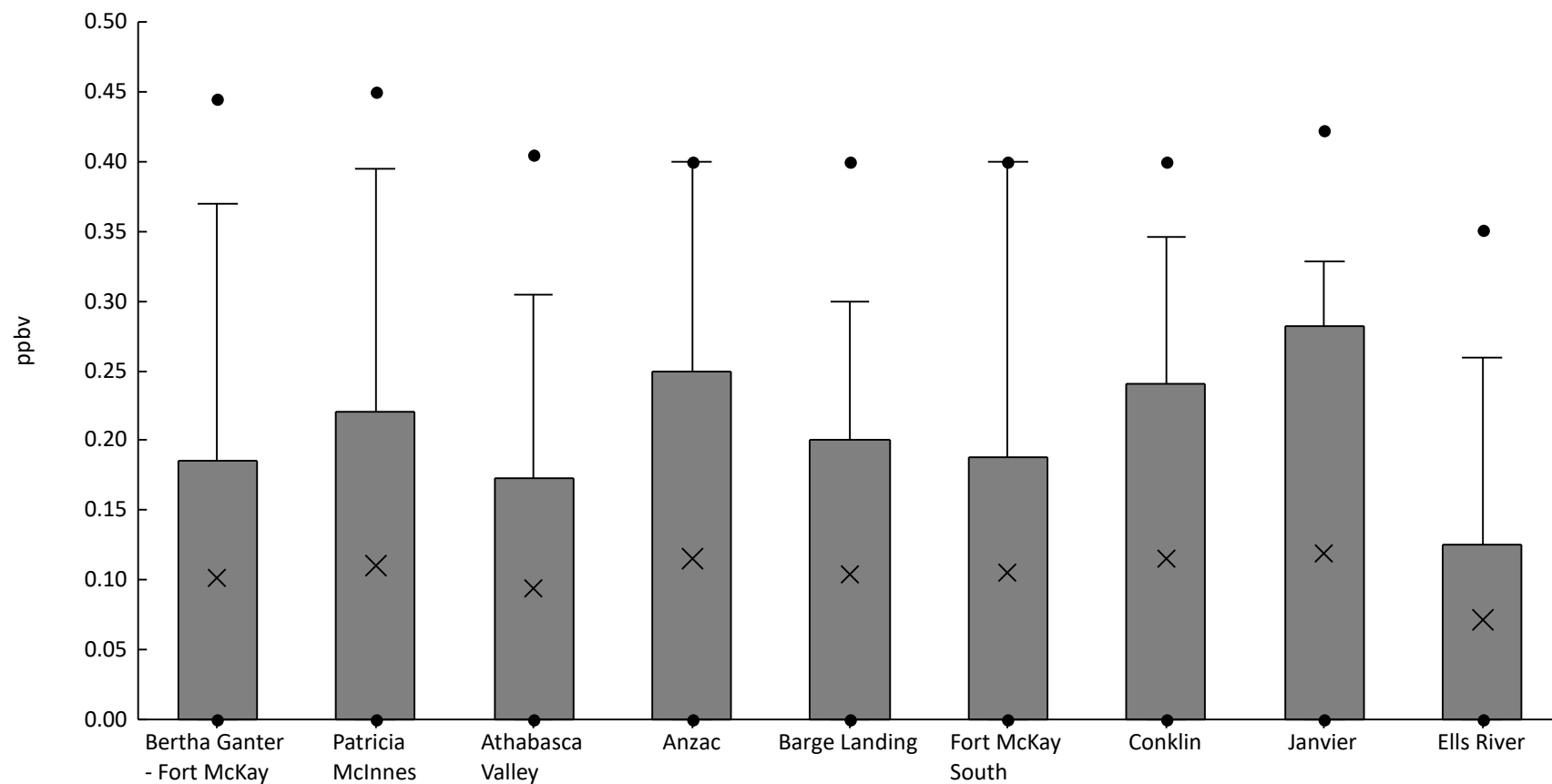
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	3.4	4.1	4.7	6.7	11	17	32	39	106	15	16
AMS06	Patricia McInnes	60	100%	1.6	4.6	7.3	12	16	24	47	51	61	21	14
AMS07	Athabasca Valley	61	100%	2.9	7.2	10	21	41	54	67	79	406	46	56
AMS14	Anzac	61	100%	1.9	3.7	4.4	6.8	11	19	34	39	332	24	49
AMS09	Barge Landing	61	100%	3.2	4	4.3	8.1	12	19	34	39	59	15	11
AMS13	Fort McKay South	59	100%	2.3	3.3	4.1	5.6	10	18	34	47	447	22	58
AMS21	Conklin	61	100%	1.7	3.2	3.5	5.5	10	19	50	84	226	21	34
AMS22	Janvier	61	100%	3	3.4	3.7	5.8	8.9	18	37	47	474	21	60
AMS30	Ells River	61	100%	0.7	2.2	2.3	4.2	6.5	13	20	26	43	9.4	8.1





Volatile Organic Compound Canister - Methyleneethylketone (ppbv) - 2021

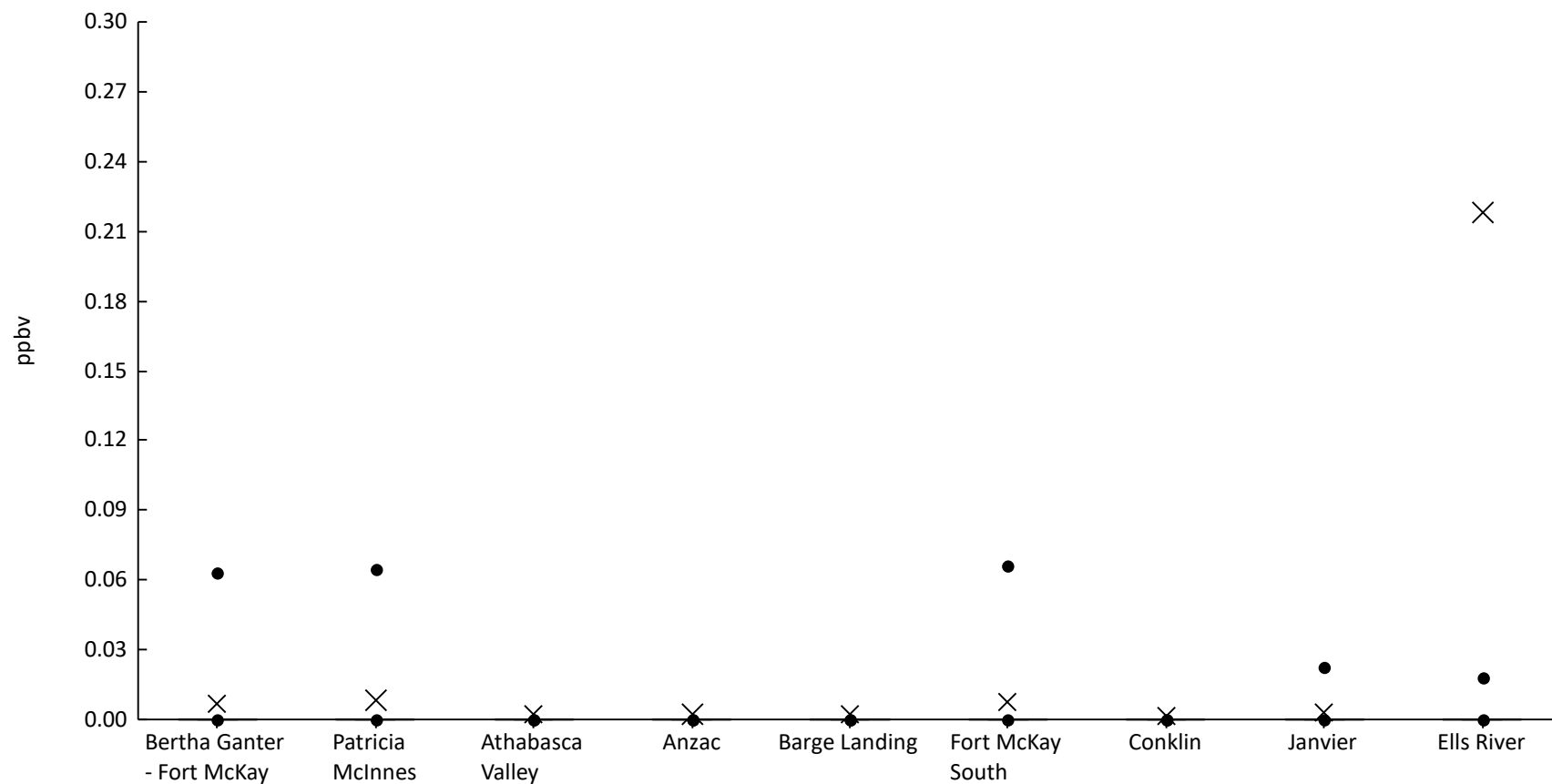
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	36%	0	0	0	0	0	0.19	0.37	0.45	0.6	0.1	0.16
AMS06	Patricia McInnes	60	38%	0	0	0	0	0	0.22	0.4	0.45	0.5	0.11	0.16
AMS07	Athabasca Valley	61	34%	0	0	0	0	0	0.17	0.3	0.4	0.5	0.094	0.15
AMS14	Anzac	61	41%	0	0	0	0	0	0.25	0.4	0.4	0.5	0.12	0.16
AMS09	Barge Landing	61	38%	0	0	0	0	0	0.2	0.3	0.4	0.7	0.1	0.16
AMS13	Fort McKay South	59	39%	0	0	0	0	0	0.19	0.4	0.4	0.4	0.11	0.15
AMS21	Conklin	61	41%	0	0	0	0	0	0.24	0.35	0.4	0.7	0.11	0.16
AMS22	Janvier	61	39%	0	0	0	0	0	0.28	0.33	0.42	0.8	0.12	0.18
AMS30	Ells River	61	31%	0	0	0	0	0	0.13	0.26	0.35	0.5	0.072	0.12





Volatile Organic Compound Canister - Methylisobutylketone (ppbv) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	7%	0	0	0	0	0	0	0	0.063	0.19	6.9E-3	0.029
AMS06	Patricia McInnes	60	7%	0	0	0	0	0	0	0	0.065	0.27	8.3E-3	0.039
AMS07	Athabasca Valley	61	3%	0	0	0	0	0	0	0	0	0.08	2.6E-3	0.014
AMS14	Anzac	61	3%	0	0	0	0	0	0	0	0	0.08	2.5E-3	0.013
AMS09	Barge Landing	61	3%	0	0	0	0	0	0	0	0	0.08	2E-3	0.011
AMS13	Fort McKay South	59	7%	0	0	0	0	0	0	0	0.066	0.2	7.5E-3	0.032
AMS21	Conklin	61	2%	0	0	0	0	0	0	0	0	0.08	1.3E-3	0.01
AMS22	Janvier	61	5%	0	0	0	0	0	0	0	0.022	0.08	3.3E-3	0.015
AMS30	Ells River	61	5%	0	0	0	0	0	0	0	0.018	13	0.22	1.7

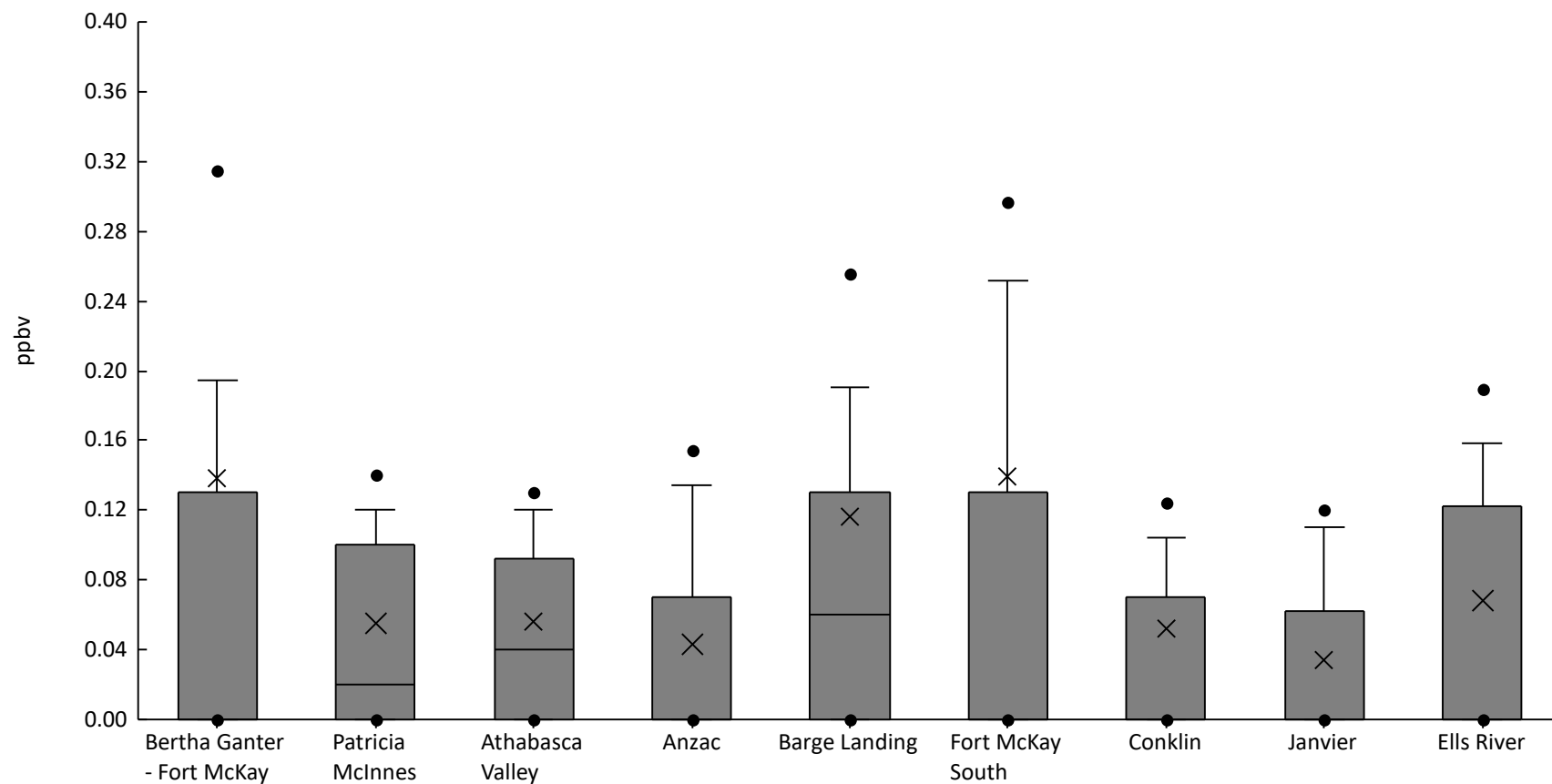






Volatile Organic Compound Canister - Methylcyclohexane (ppbv) - 2021

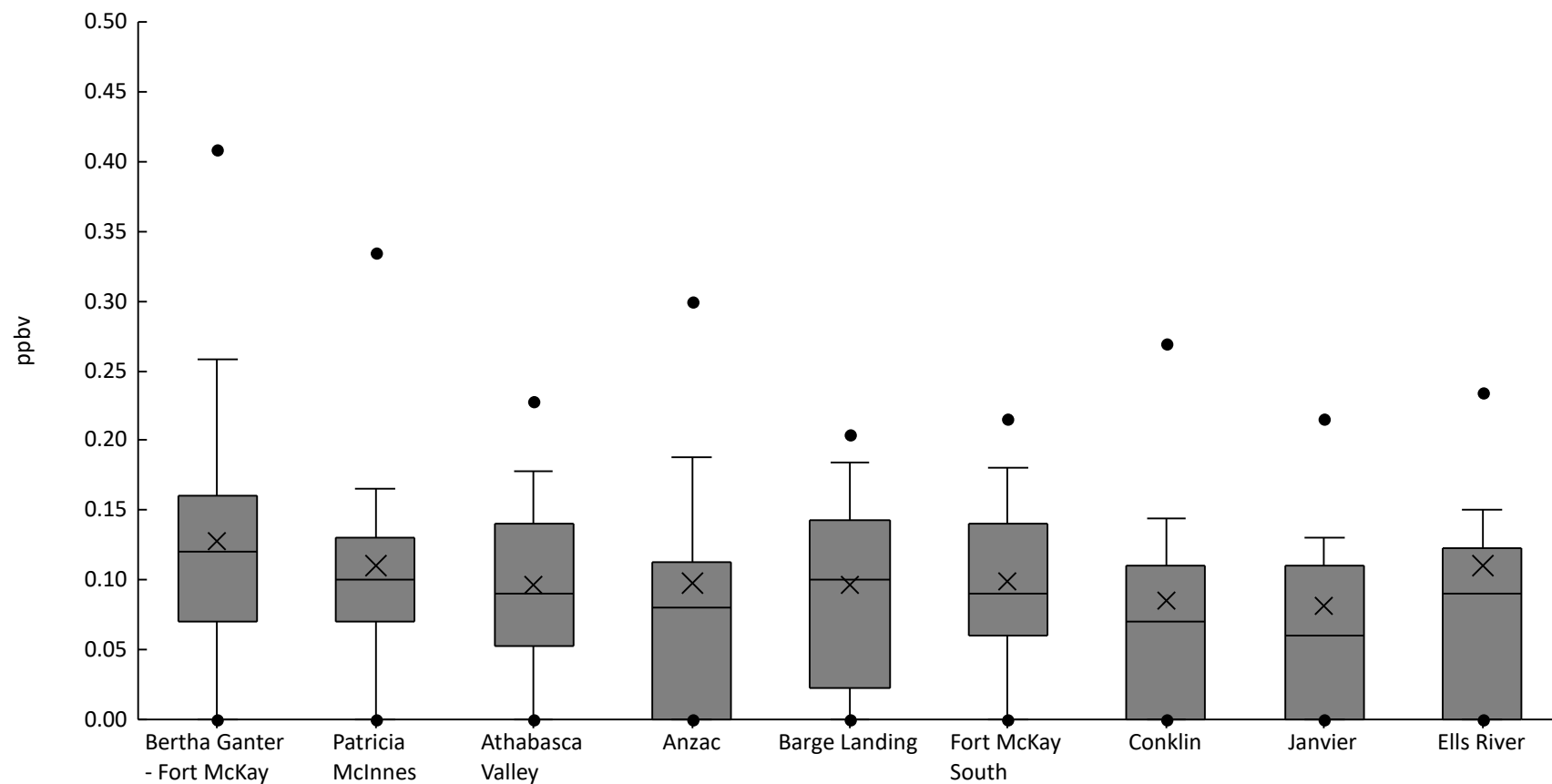
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	48%	0	0	0	0	0	0.13	0.19	0.31	3.2	0.14	0.44
AMS06	Patricia McInnes	60	50%	0	0	0	0	0.02	0.1	0.12	0.14	0.55	0.055	0.083
AMS07	Athabasca Valley	61	54%	0	0	0	0	0.04	0.093	0.12	0.13	0.61	0.056	0.087
AMS14	Anzac	61	41%	0	0	0	0	0	0.07	0.13	0.15	0.39	0.043	0.068
AMS09	Barge Landing	61	54%	0	0	0	0	0.06	0.13	0.19	0.26	2.6	0.12	0.34
AMS13	Fort McKay South	59	49%	0	0	0	0	0	0.13	0.25	0.3	3.6	0.14	0.47
AMS21	Conklin	61	36%	0	0	0	0	0	0.07	0.1	0.12	1.4	0.052	0.18
AMS22	Janvier	61	34%	0	0	0	0	0	0.063	0.11	0.12	0.43	0.034	0.067
AMS30	Ells River	61	48%	0	0	0	0	0	0.12	0.16	0.19	0.73	0.068	0.11





Volatile Organic Compound Canister - Methylcyclopentane (ppbv) - 2021

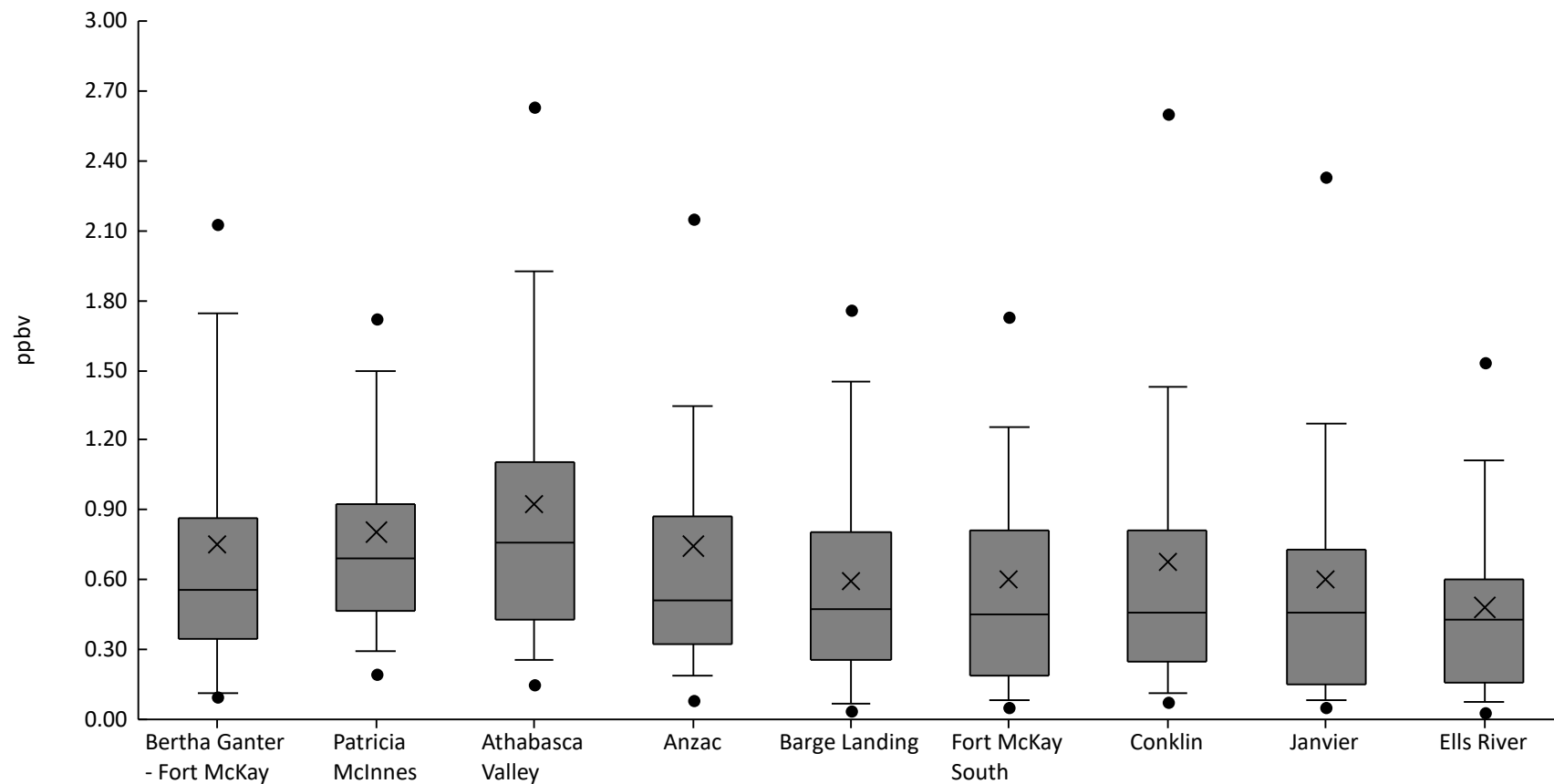
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	79%	0	0	0	0.07	0.12	0.16	0.26	0.41	0.57	0.13	0.11
AMS06	Patricia McInnes	60	80%	0	0	0	0.07	0.1	0.13	0.17	0.34	0.54	0.11	0.11
AMS07	Athabasca Valley	61	77%	0	0	0	0.053	0.09	0.14	0.18	0.23	0.44	0.097	0.08
AMS14	Anzac	61	72%	0	0	0	0	0.08	0.11	0.19	0.3	0.89	0.098	0.13
AMS09	Barge Landing	61	75%	0	0	0	0.023	0.1	0.14	0.18	0.2	0.36	0.097	0.074
AMS13	Fort McKay South	59	80%	0	0	0	0.06	0.09	0.14	0.18	0.22	0.45	0.099	0.082
AMS21	Conklin	61	64%	0	0	0	0	0.07	0.11	0.14	0.27	0.92	0.085	0.13
AMS22	Janvier	61	57%	0	0	0	0	0.06	0.11	0.13	0.22	1.1	0.082	0.16
AMS30	Ells River	61	70%	0	0	0	0	0.09	0.12	0.15	0.23	1.9	0.11	0.24





Volatile Organic Compound Canister - n-Butane (ppbv) - 2021

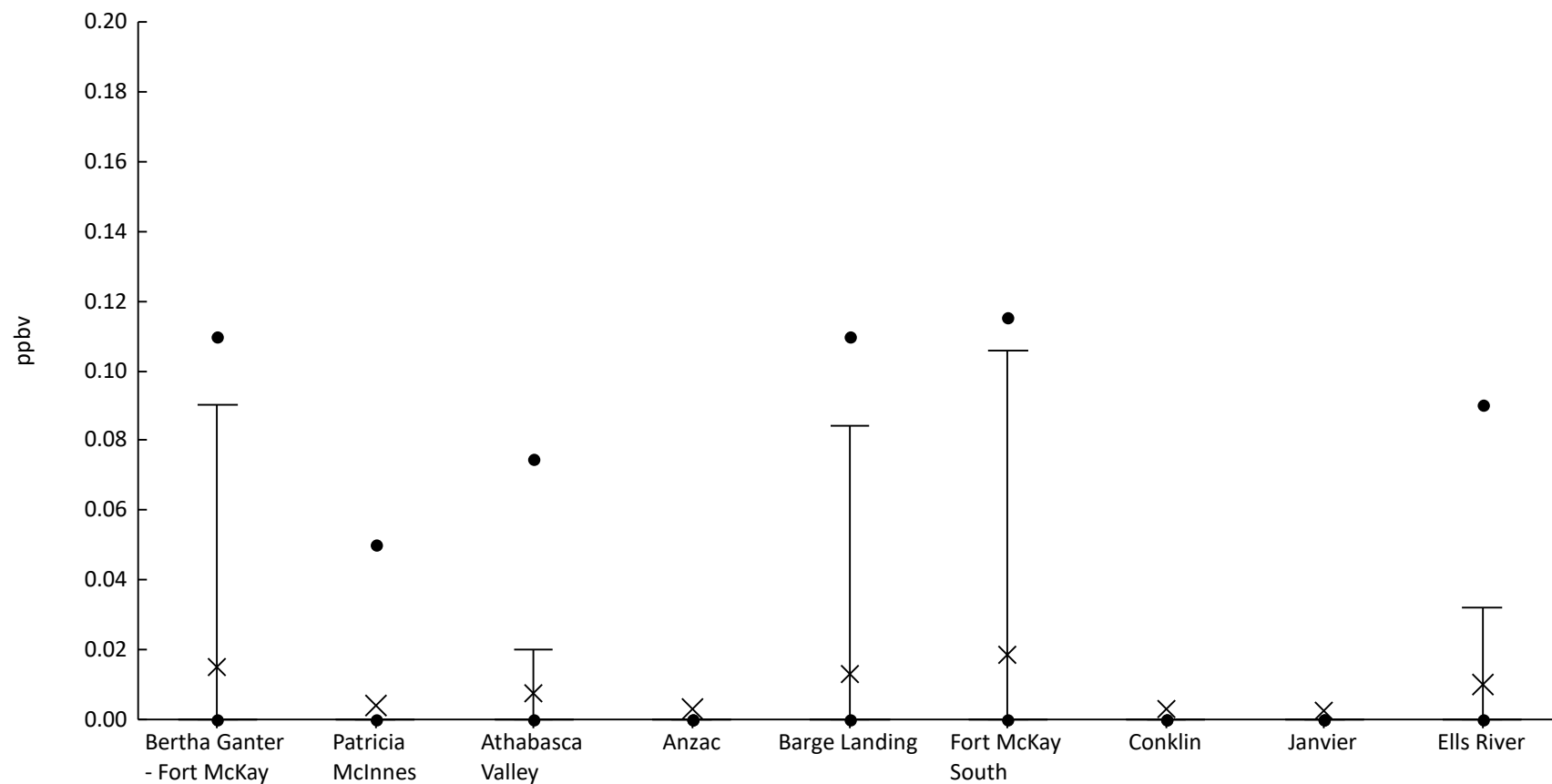
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	0.096	0.12	0.35	0.56	0.87	1.7	2.1	4.6	0.75	0.74
AMS06	Patricia McInnes	60	100%	0.05	0.2	0.29	0.47	0.69	0.93	1.5	1.7	3.3	0.8	0.52
AMS07	Athabasca Valley	61	100%	0.13	0.15	0.26	0.43	0.76	1.1	1.9	2.6	4.2	0.93	0.78
AMS14	Anzac	61	98%	0	0.086	0.19	0.32	0.51	0.88	1.3	2.2	5.5	0.74	0.83
AMS09	Barge Landing	61	98%	0	0.036	0.066	0.25	0.47	0.8	1.4	1.8	2.4	0.6	0.54
AMS13	Fort McKay South	59	98%	0	0.055	0.08	0.19	0.45	0.82	1.3	1.7	3.8	0.6	0.63
AMS21	Conklin	61	98%	0	0.076	0.12	0.25	0.46	0.81	1.4	2.6	3	0.68	0.67
AMS22	Janvier	61	98%	0	0.051	0.082	0.15	0.46	0.73	1.3	2.3	3.2	0.6	0.67
AMS30	Ells River	61	95%	0	0.033	0.076	0.16	0.43	0.6	1.1	1.5	2.4	0.48	0.46





Volatile Organic Compound Canister - n-Decane (ppbv) - 2021

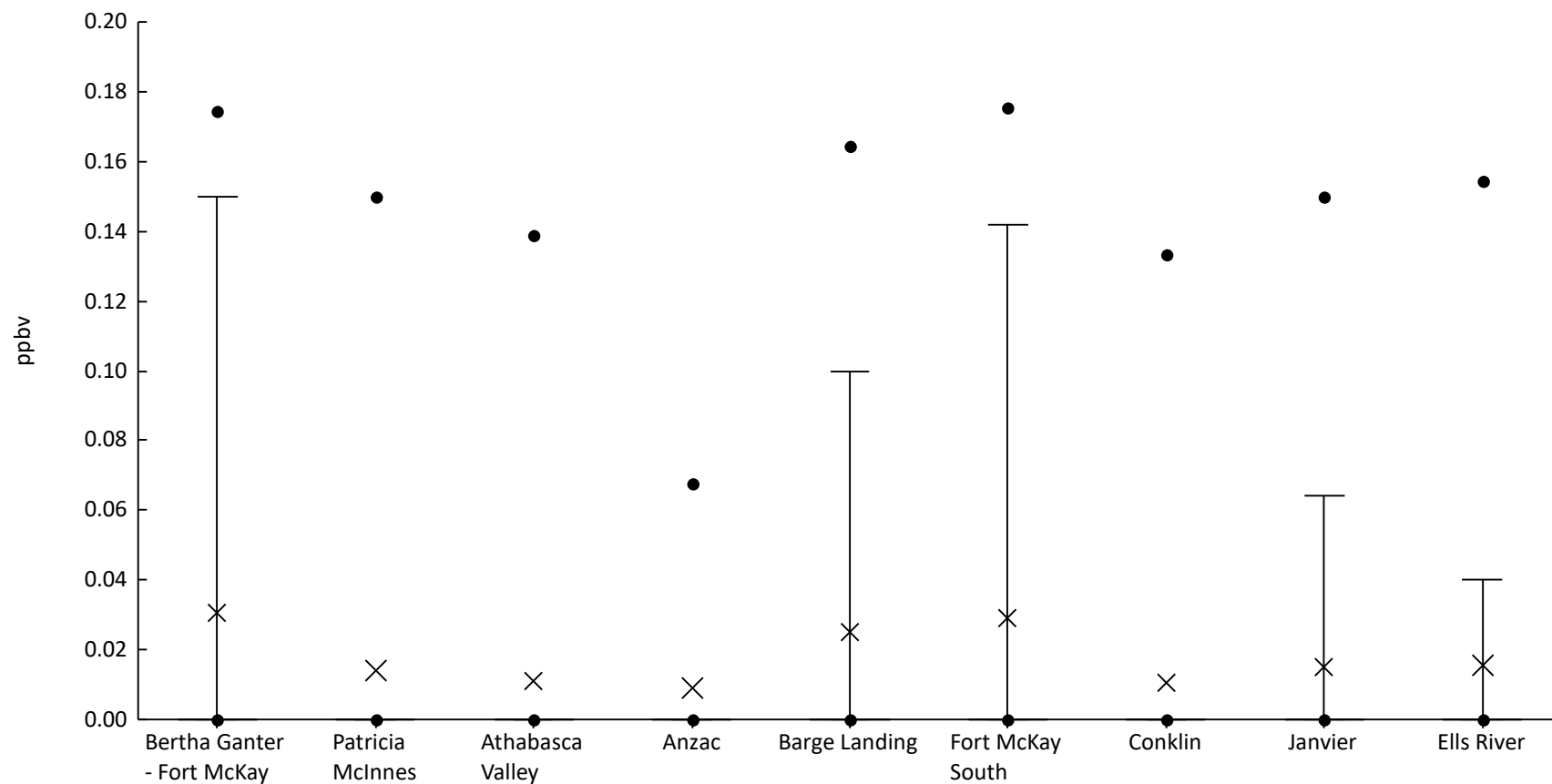
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	15%	0	0	0	0	0	0	0.09	0.11	0.13	0.015	0.037
AMS06	Patricia McInnes	60	7%	0	0	0	0	0	0	0	0.05	0.08	4.2E-3	0.016
AMS07	Athabasca Valley	61	10%	0	0	0	0	0	0	0.02	0.075	0.09	7.4E-3	0.023
AMS14	Anzac	61	3%	0	0	0	0	0	0	0	0	0.09	2.8E-3	0.015
AMS09	Barge Landing	61	13%	0	0	0	0	0	0	0.084	0.11	0.14	0.013	0.035
AMS13	Fort McKay South	59	17%	0	0	0	0	0	0	0.11	0.12	0.17	0.019	0.043
AMS21	Conklin	61	3%	0	0	0	0	0	0	0	0	0.09	2.8E-3	0.015
AMS22	Janvier	61	3%	0	0	0	0	0	0	0	0	0.08	2.6E-3	0.014
AMS30	Ells River	61	10%	0	0	0	0	0	0	0.032	0.09	0.13	9.8E-3	0.031





Volatile Organic Compound Canister - n-Dodecane (ppbv) - 2021

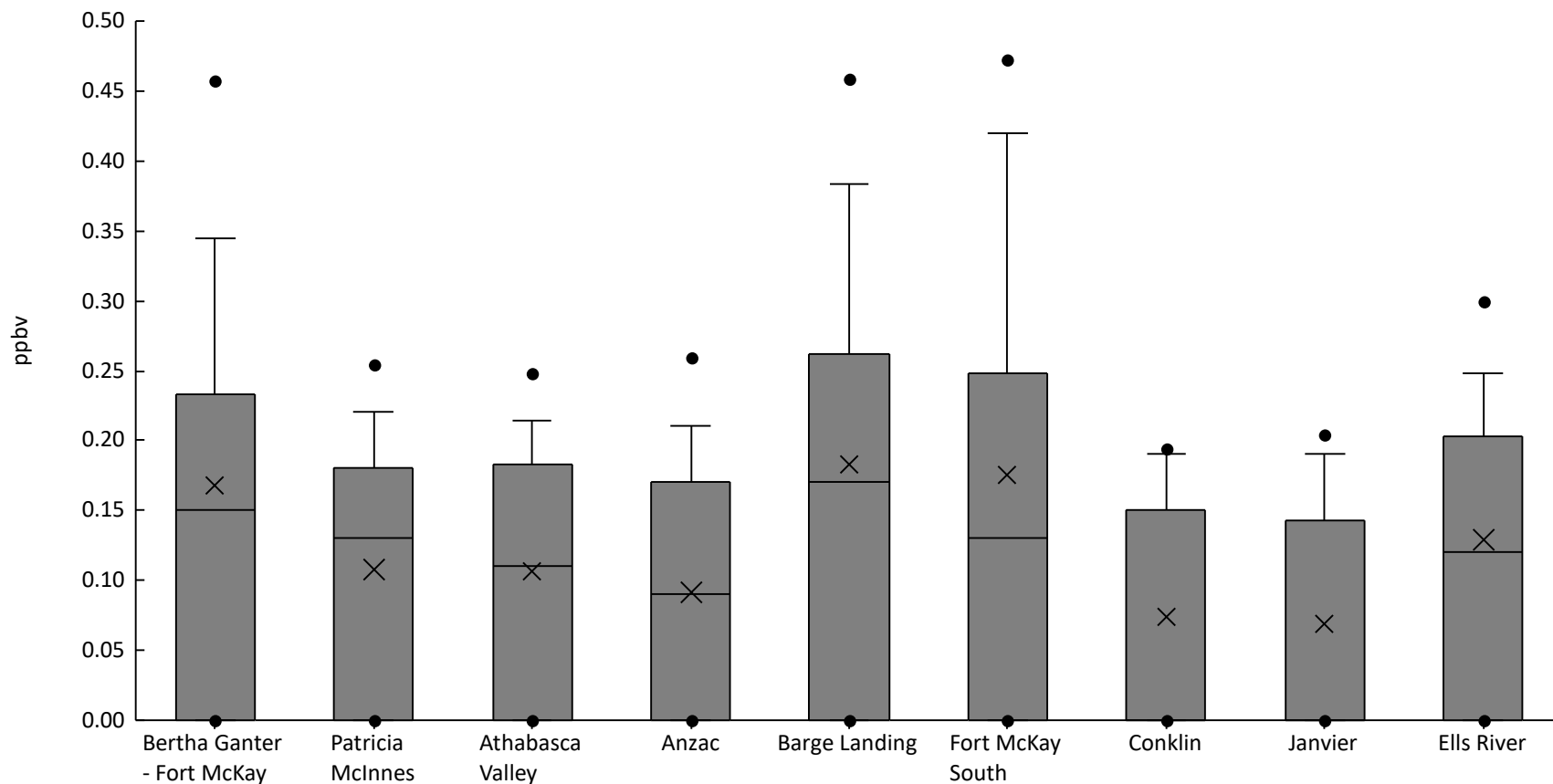
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	15%	0	0	0	0	0	0	0.15	0.17	0.6	0.03	0.092
AMS06	Patricia McInnes	60	8%	0	0	0	0	0	0	0	0.15	0.23	0.014	0.048
AMS07	Athabasca Valley	61	7%	0	0	0	0	0	0	0	0.14	0.22	0.011	0.043
AMS14	Anzac	61	5%	0	0	0	0	0	0	0	0.067	0.22	9E-3	0.04
AMS09	Barge Landing	61	11%	0	0	0	0	0	0	0.1	0.16	0.6	0.025	0.089
AMS13	Fort McKay South	59	14%	0	0	0	0	0	0	0.14	0.18	0.6	0.029	0.093
AMS21	Conklin	61	7%	0	0	0	0	0	0	0	0.13	0.22	0.01	0.041
AMS22	Janvier	61	11%	0	0	0	0	0	0	0.064	0.15	0.22	0.015	0.046
AMS30	Ells River	61	10%	0	0	0	0	0	0	0.04	0.15	0.22	0.015	0.049





Volatile Organic Compound Canister - n-Heptane (ppbv) - 2021

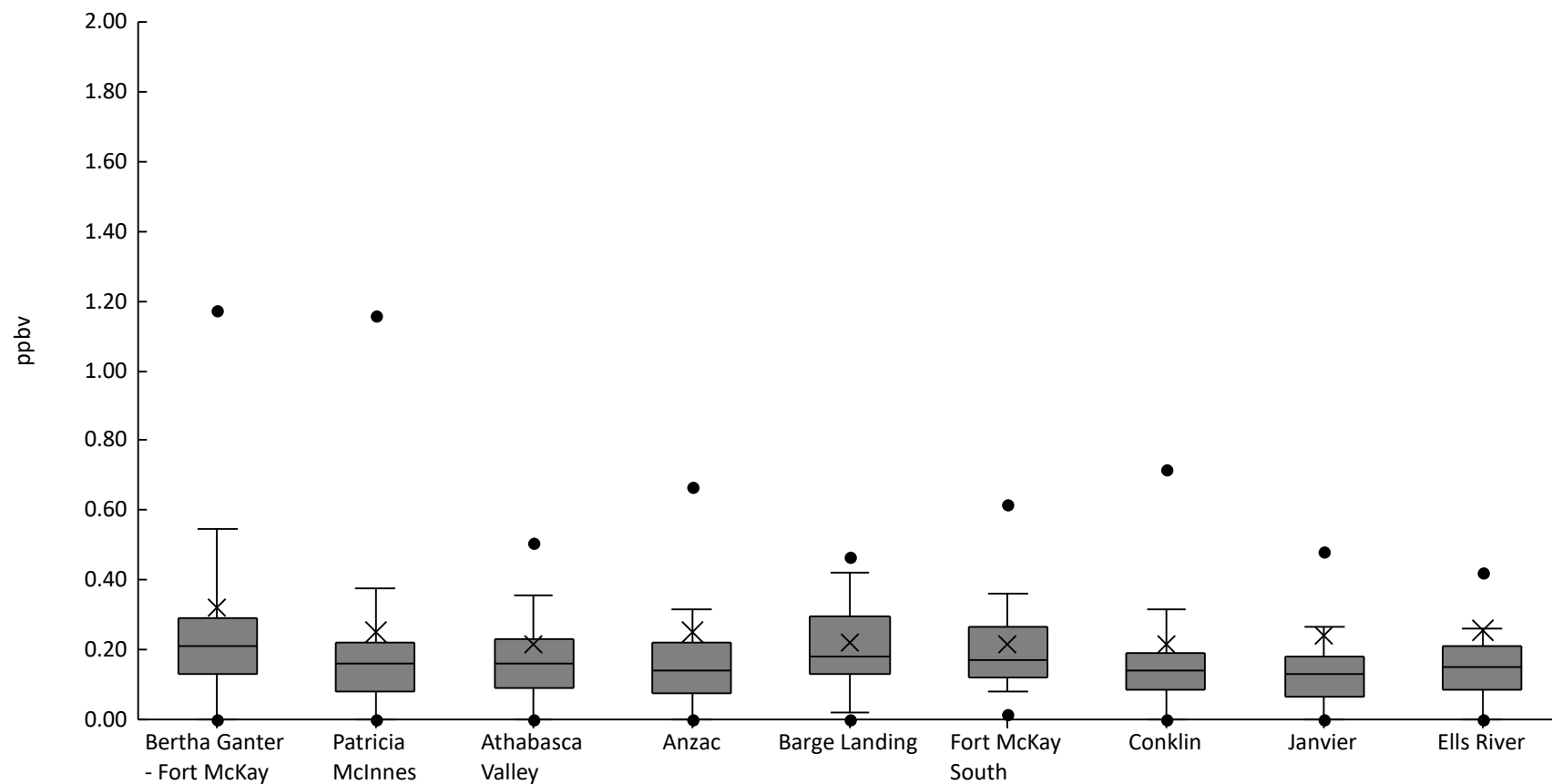
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	61%	0	0	0	0	0.15	0.23	0.34	0.46	1.3	0.17	0.21
AMS06	Patricia McInnes	60	58%	0	0	0	0	0.13	0.18	0.22	0.26	0.43	0.11	0.1
AMS07	Athabasca Valley	61	59%	0	0	0	0	0.11	0.18	0.21	0.25	0.43	0.11	0.1
AMS14	Anzac	61	54%	0	0	0	0	0.09	0.17	0.21	0.26	0.3	0.091	0.094
AMS09	Barge Landing	61	66%	0	0	0	0	0.17	0.26	0.38	0.46	1.5	0.18	0.22
AMS13	Fort McKay South	59	61%	0	0	0	0	0.13	0.25	0.42	0.47	1.4	0.18	0.24
AMS21	Conklin	61	49%	0	0	0	0	0	0.15	0.19	0.19	0.23	0.074	0.081
AMS22	Janvier	61	46%	0	0	0	0	0	0.14	0.19	0.2	0.21	0.069	0.08
AMS30	Ells River	61	59%	0	0	0	0	0.12	0.2	0.25	0.3	1.2	0.13	0.18





Volatile Organic Compound Canister - n-Hexane (ppbv) - 2021

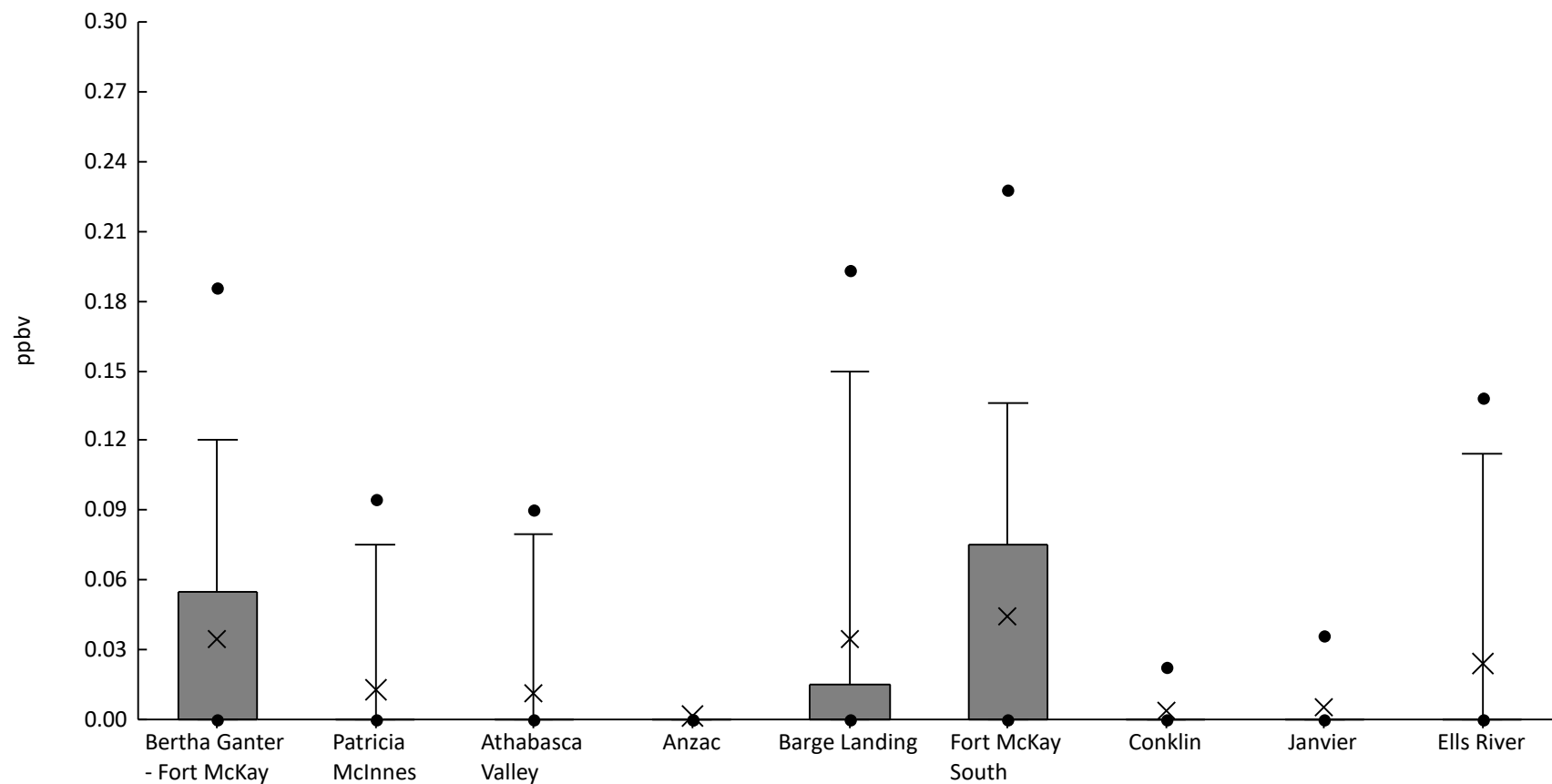
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	89%	0	0	0	0.13	0.21	0.29	0.54	1.2	3.1	0.32	0.46
AMS06	Patricia McInnes	60	82%	0	0	0	0.08	0.16	0.22	0.38	1.2	2.7	0.25	0.46
AMS07	Athabasca Valley	61	82%	0	0	0	0.09	0.16	0.23	0.35	0.5	2.7	0.21	0.35
AMS14	Anzac	61	82%	0	0	0	0.078	0.14	0.22	0.31	0.67	4.9	0.25	0.63
AMS09	Barge Landing	61	90%	0	0	0.018	0.13	0.18	0.3	0.42	0.46	0.97	0.22	0.16
AMS13	Fort McKay South	59	95%	0	0.014	0.078	0.12	0.17	0.27	0.36	0.61	0.79	0.21	0.16
AMS21	Conklin	61	82%	0	0	0	0.088	0.14	0.19	0.32	0.72	3.4	0.22	0.45
AMS22	Janvier	61	79%	0	0	0	0.068	0.13	0.18	0.27	0.48	5.2	0.24	0.68
AMS30	Ells River	61	84%	0	0	0	0.088	0.15	0.21	0.26	0.42	6	0.25	0.76





Volatile Organic Compound Canister - n-Nonane (ppbv) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	26%	0	0	0	0	0	0.055	0.12	0.19	0.27	0.035	0.067
AMS06	Patricia McInnes	60	15%	0	0	0	0	0	0	0.075	0.095	0.12	0.013	0.032
AMS07	Athabasca Valley	61	15%	0	0	0	0	0	0	0.08	0.09	0.11	0.012	0.03
AMS14	Anzac	61	2%	0	0	0	0	0	0	0	0	0.11	1.8E-3	0.014
AMS09	Barge Landing	61	25%	0	0	0	0	0	0.015	0.15	0.19	0.3	0.034	0.069
AMS13	Fort McKay South	59	31%	0	0	0	0	0	0.075	0.14	0.23	0.45	0.044	0.086
AMS21	Conklin	61	5%	0	0	0	0	0	0	0	0.022	0.12	4.1E-3	0.019
AMS22	Janvier	61	5%	0	0	0	0	0	0	0	0.036	0.12	4.9E-3	0.022
AMS30	Ells River	61	15%	0	0	0	0	0	0	0.11	0.14	0.37	0.024	0.068

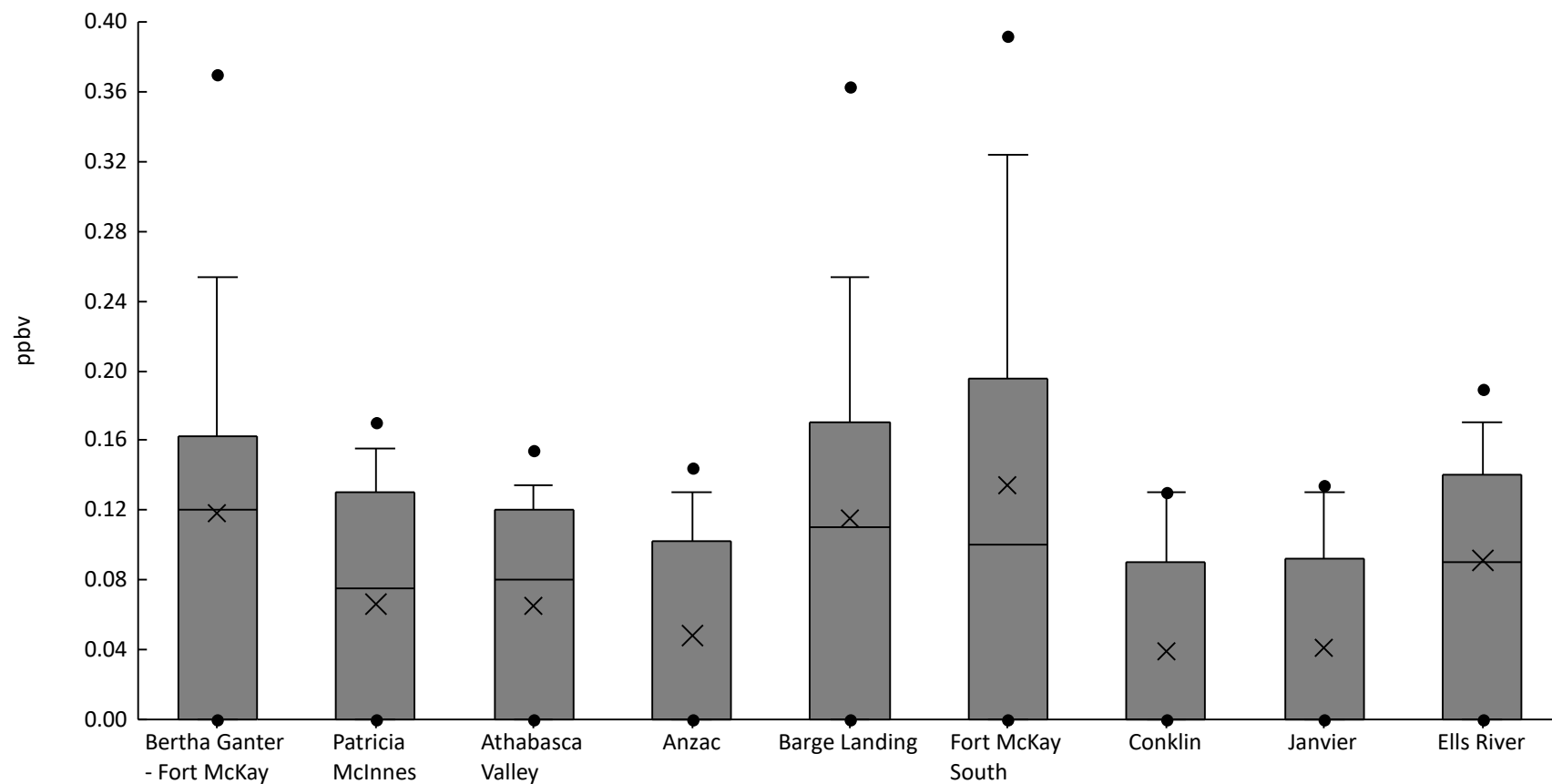






Volatile Organic Compound Canister - n-Octane (ppbv) - 2021

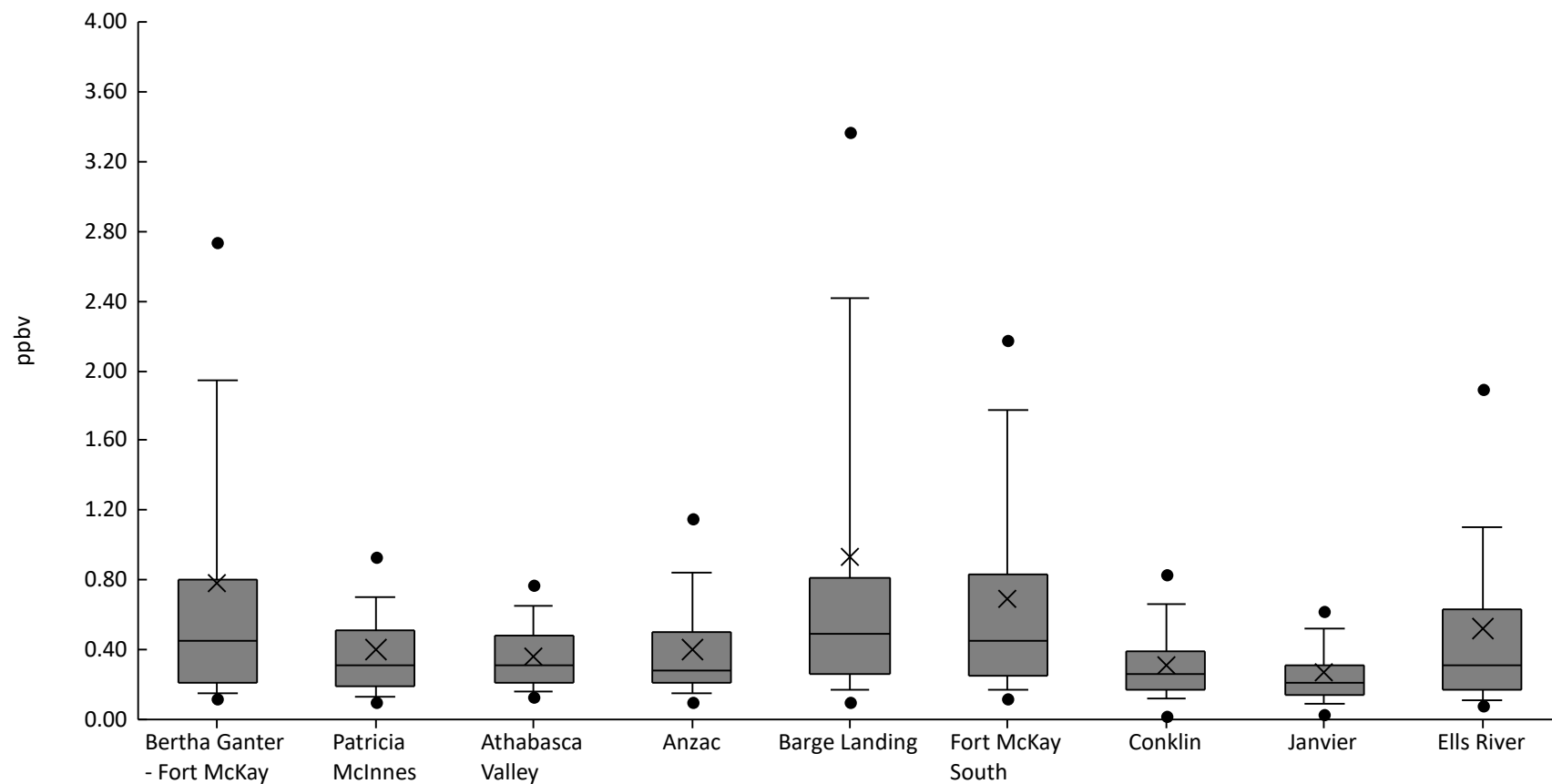
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	64%	0	0	0	0	0.12	0.16	0.25	0.37	0.63	0.12	0.13
AMS06	Patricia McInnes	60	52%	0	0	0	0	0.075	0.13	0.16	0.17	0.22	0.067	0.069
AMS07	Athabasca Valley	61	56%	0	0	0	0	0.08	0.12	0.13	0.15	0.21	0.065	0.062
AMS14	Anzac	61	44%	0	0	0	0	0	0.1	0.13	0.14	0.18	0.048	0.058
AMS09	Barge Landing	61	59%	0	0	0	0	0.11	0.17	0.25	0.36	0.74	0.11	0.14
AMS13	Fort McKay South	59	59%	0	0	0	0	0.1	0.2	0.32	0.39	1.2	0.13	0.19
AMS21	Conklin	61	38%	0	0	0	0	0	0.09	0.13	0.13	0.14	0.039	0.053
AMS22	Janvier	61	38%	0	0	0	0	0	0.093	0.13	0.13	0.15	0.041	0.056
AMS30	Ells River	61	54%	0	0	0	0	0.09	0.14	0.17	0.19	1.2	0.091	0.16





Volatile Organic Compound Canister - n-Pentane (ppbv) - 2021

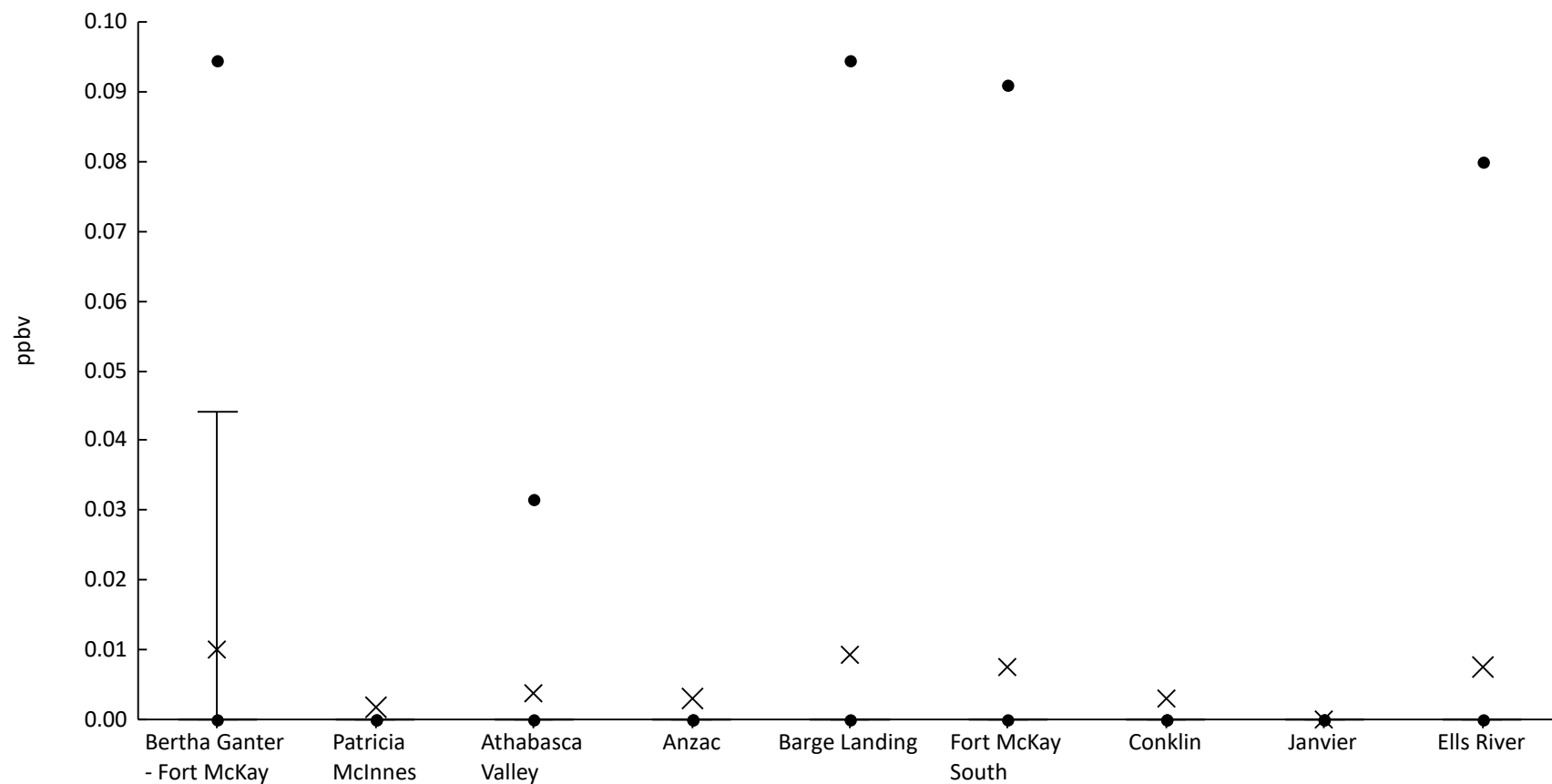
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	0.06	0.12	0.15	0.21	0.45	0.81	1.9	2.7	5.5	0.79	0.95
AMS06	Patricia McInnes	60	98%	0	0.1	0.14	0.2	0.32	0.51	0.71	0.93	2.5	0.41	0.37
AMS07	Athabasca Valley	61	97%	0	0.13	0.16	0.21	0.31	0.48	0.65	0.77	1.2	0.36	0.22
AMS14	Anzac	61	98%	0	0.097	0.15	0.21	0.28	0.5	0.84	1.1	1.4	0.4	0.31
AMS09	Barge Landing	61	98%	0	0.1	0.17	0.26	0.49	0.81	2.4	3.4	8.6	0.93	1.4
AMS13	Fort McKay South	59	98%	0	0.12	0.17	0.25	0.45	0.84	1.8	2.2	3.6	0.69	0.7
AMS21	Conklin	61	95%	0	0.022	0.12	0.17	0.26	0.39	0.66	0.83	1.1	0.31	0.22
AMS22	Janvier	61	95%	0	0.033	0.09	0.14	0.21	0.32	0.52	0.62	1.2	0.27	0.22
AMS30	Ells River	61	100%	0.05	0.082	0.11	0.17	0.31	0.63	1.1	1.9	3.8	0.52	0.62





Volatile Organic Compound Canister - n-Propylbenzene (ppbv) - 2021

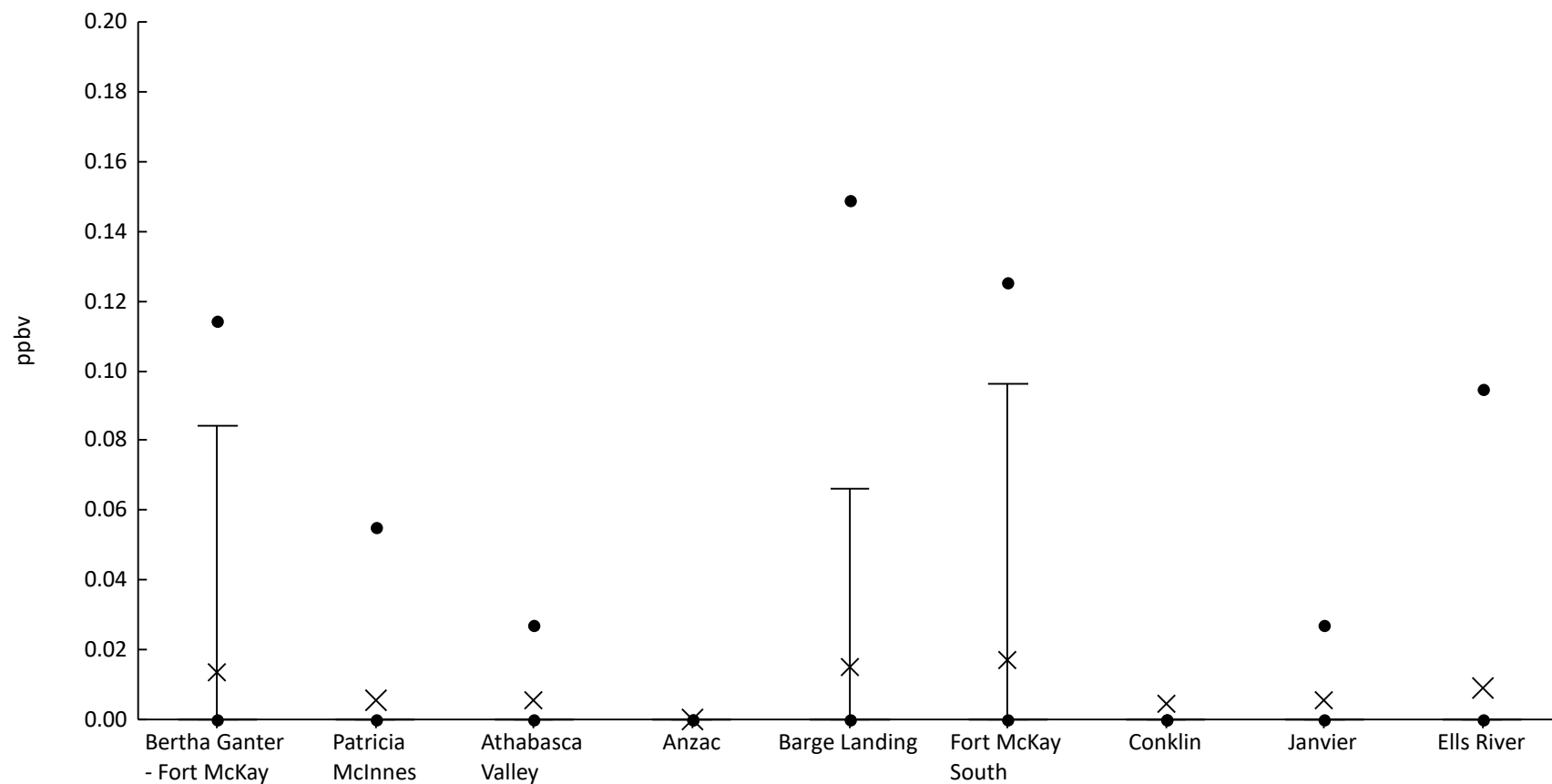
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	11%	0	0	0	0	0	0	0.044	0.095	0.12	0.01	0.03
AMS06	Patricia McInnes	60	2%	0	0	0	0	0	0	0	0	0.1	1.7E-3	0.013
AMS07	Athabasca Valley	61	5%	0	0	0	0	0	0	0	0.031	0.08	3.8E-3	0.017
AMS14	Anzac	61	3%	0	0	0	0	0	0	0	0	0.1	3E-3	0.016
AMS09	Barge Landing	61	8%	0	0	0	0	0	0	0	0.095	0.19	9.3E-3	0.034
AMS13	Fort McKay South	59	8%	0	0	0	0	0	0	0	0.091	0.12	7.5E-3	0.026
AMS21	Conklin	61	3%	0	0	0	0	0	0	0	0	0.09	3E-3	0.016
AMS22	Janvier	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS30	Ells River	61	8%	0	0	0	0	0	0	0	0.08	0.18	7.5E-3	0.029





Volatile Organic Compound Canister - n-Undecane (ppbv) - 2021

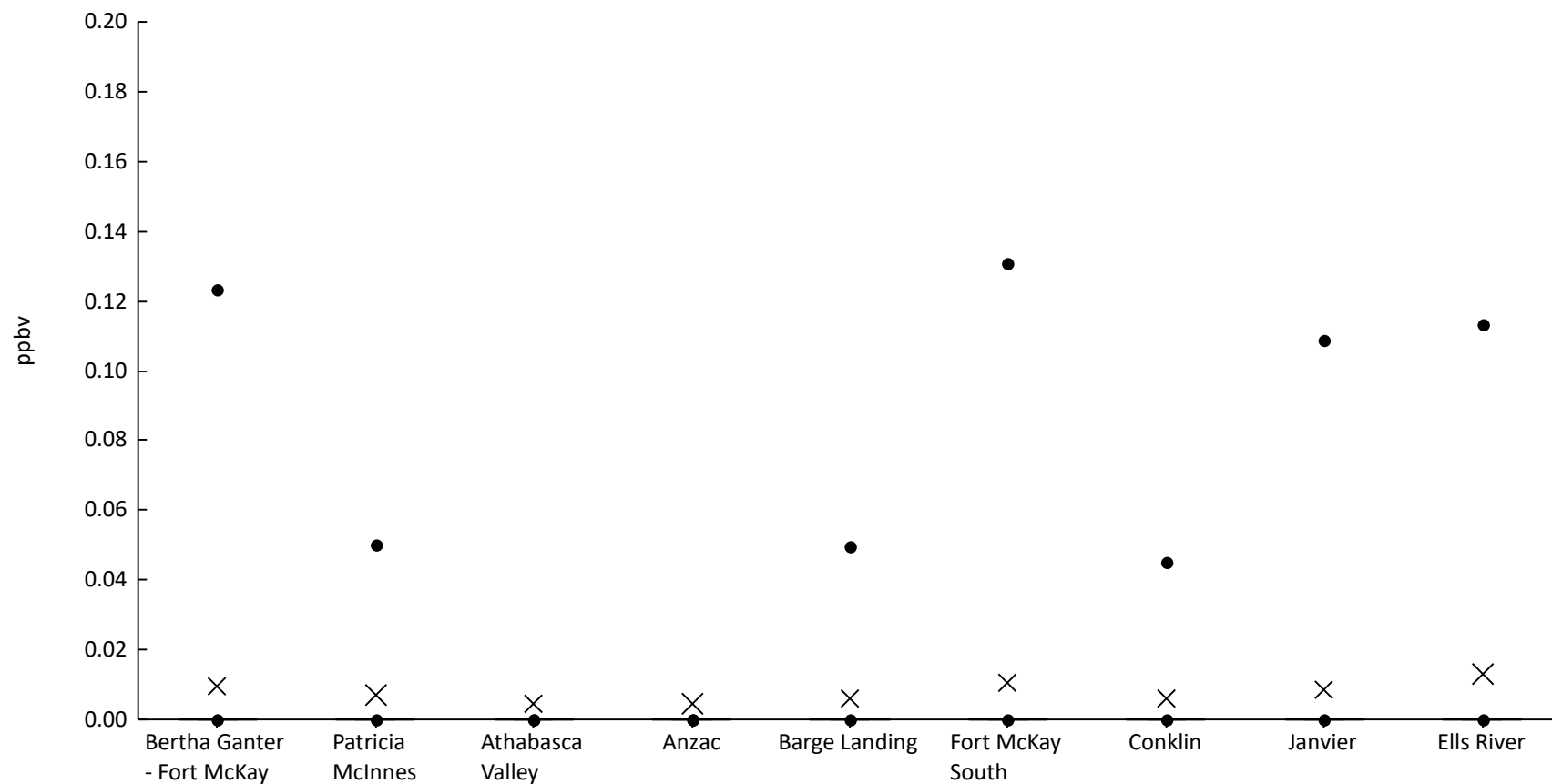
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	11%	0	0	0	0	0	0	0.084	0.11	0.17	0.013	0.039
AMS06	Patricia McInnes	60	7%	0	0	0	0	0	0	0	0.055	0.12	5.7E-3	0.023
AMS07	Athabasca Valley	61	5%	0	0	0	0	0	0	0	0.027	0.18	5.6E-3	0.027
AMS14	Anzac	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS09	Barge Landing	61	11%	0	0	0	0	0	0	0.066	0.15	0.19	0.015	0.045
AMS13	Fort McKay South	59	12%	0	0	0	0	0	0	0.096	0.13	0.29	0.017	0.052
AMS21	Conklin	61	3%	0	0	0	0	0	0	0	0	0.14	4.6E-3	0.025
AMS22	Janvier	61	5%	0	0	0	0	0	0	0	0.027	0.14	5.6E-3	0.026
AMS30	Ells River	61	8%	0	0	0	0	0	0	0	0.095	0.15	9E-3	0.031





Volatile Organic Compound Canister - Naphthalene (ppbv) - 2021

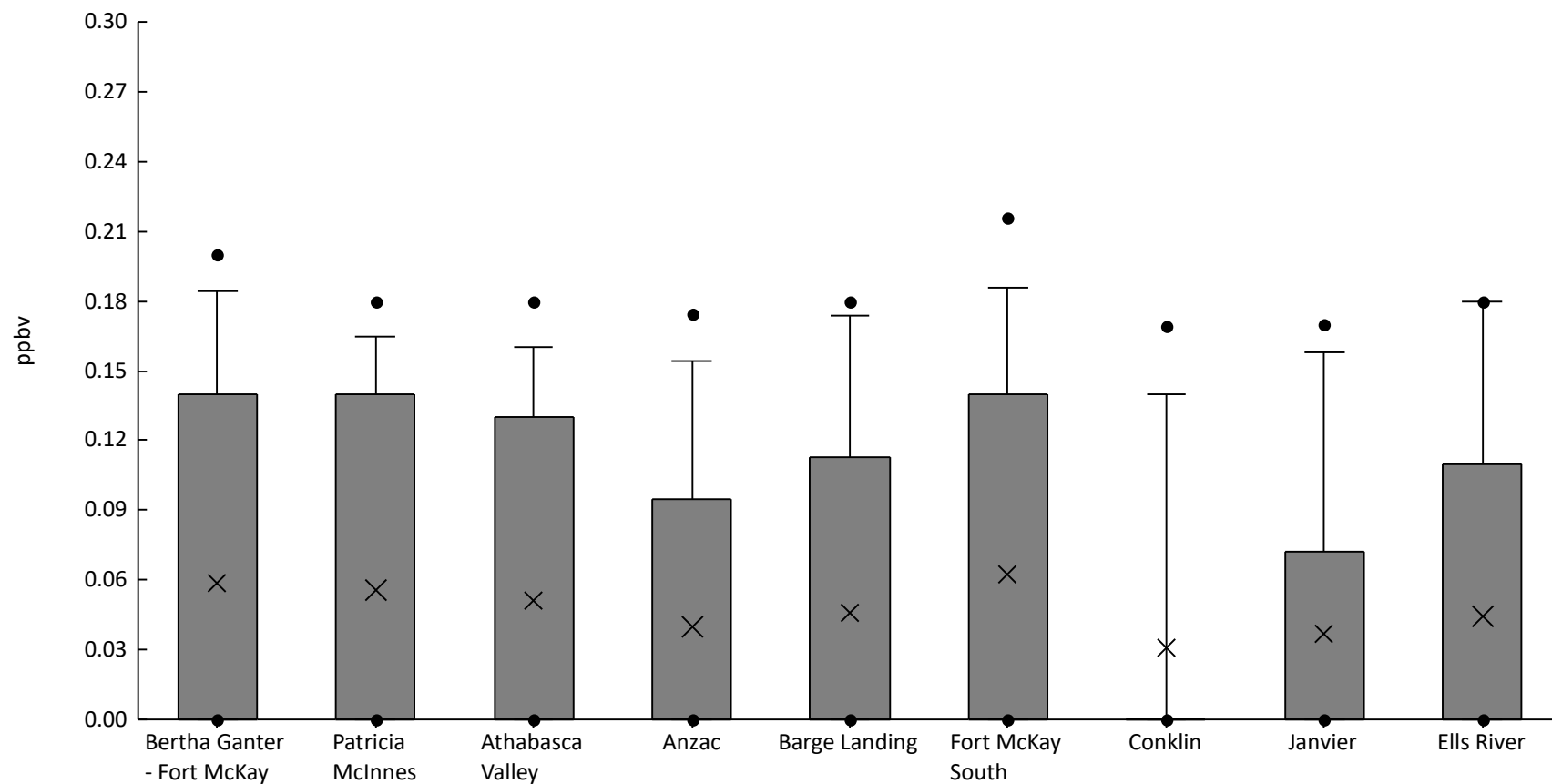
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	7%	0	0	0	0	0	0	0	0.12	0.18	9.5E-3	0.037
AMS06	Patricia McInnes	60	5%	0	0	0	0	0	0	0	0.05	0.18	7E-3	0.032
AMS07	Athabasca Valley	61	3%	0	0	0	0	0	0	0	0	0.19	4.8E-3	0.027
AMS14	Anzac	61	3%	0	0	0	0	0	0	0	0	0.17	4.3E-3	0.024
AMS09	Barge Landing	61	5%	0	0	0	0	0	0	0	0.049	0.13	6.1E-3	0.027
AMS13	Fort McKay South	59	7%	0	0	0	0	0	0	0	0.13	0.18	0.01	0.039
AMS21	Conklin	61	5%	0	0	0	0	0	0	0	0.045	0.13	5.9E-3	0.026
AMS22	Janvier	61	7%	0	0	0	0	0	0	0	0.11	0.18	8.7E-3	0.034
AMS30	Ells River	61	7%	0	0	0	0	0	0	0	0.11	0.4	0.013	0.059





Volatile Organic Compound Canister - o-Xylene (ppbv) - 2021

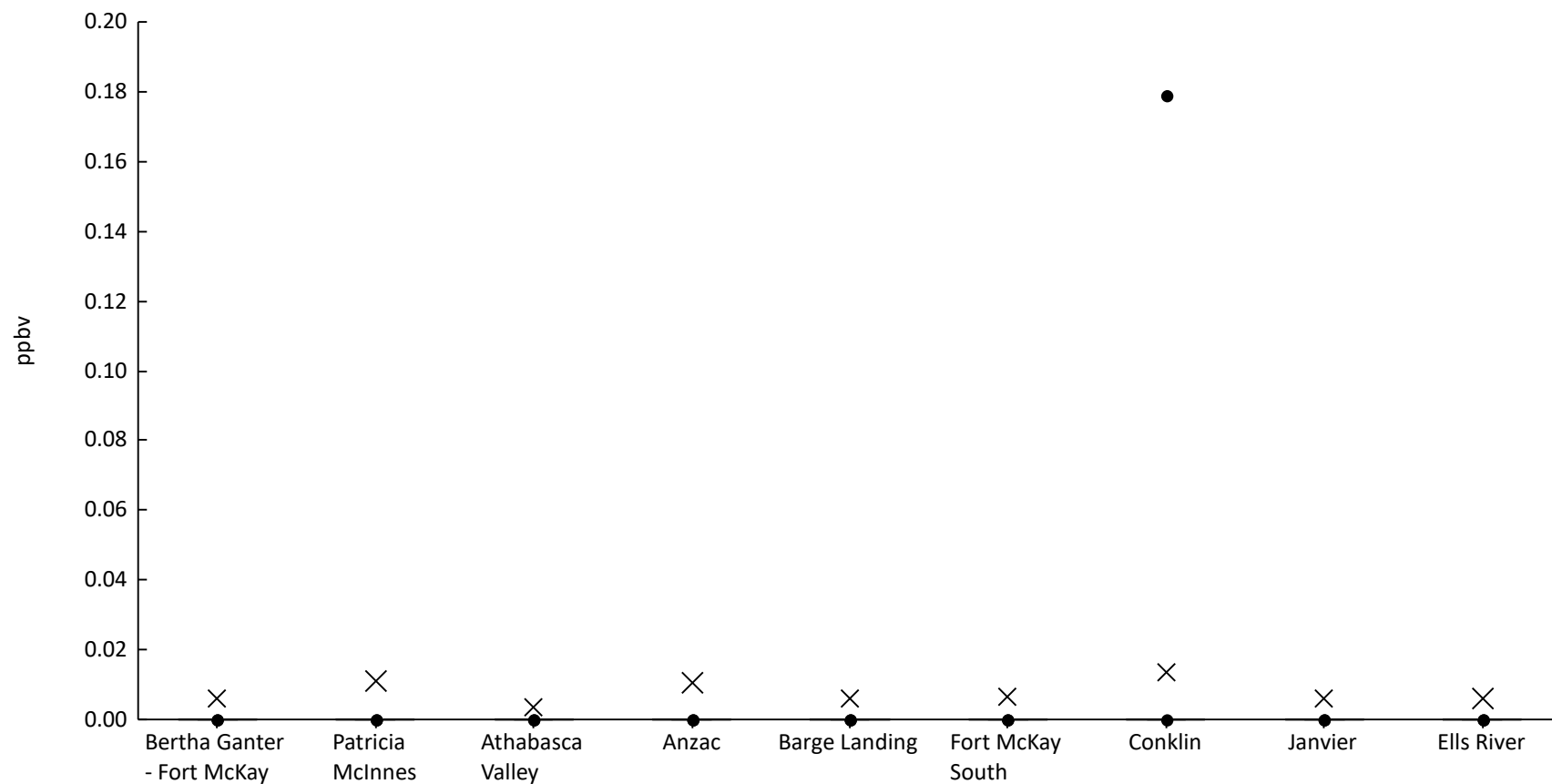
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	36%	0	0	0	0	0	0.14	0.18	0.2	0.24	0.059	0.081
AMS06	Patricia McInnes	60	38%	0	0	0	0	0	0.14	0.17	0.18	0.19	0.056	0.074
AMS07	Athabasca Valley	61	36%	0	0	0	0	0	0.13	0.16	0.18	0.18	0.051	0.07
AMS14	Anzac	61	28%	0	0	0	0	0	0.095	0.15	0.17	0.2	0.04	0.067
AMS09	Barge Landing	61	31%	0	0	0	0	0	0.11	0.17	0.18	0.22	0.046	0.072
AMS13	Fort McKay South	59	36%	0	0	0	0	0	0.14	0.19	0.22	0.42	0.063	0.093
AMS21	Conklin	61	23%	0	0	0	0	0	0	0.14	0.17	0.21	0.031	0.06
AMS22	Janvier	61	26%	0	0	0	0	0	0.073	0.16	0.17	0.19	0.037	0.065
AMS30	Ells River	61	30%	0	0	0	0	0	0.11	0.18	0.18	0.2	0.044	0.071





Volatile Organic Compound Canister - Styrene (ppbv) - 2021

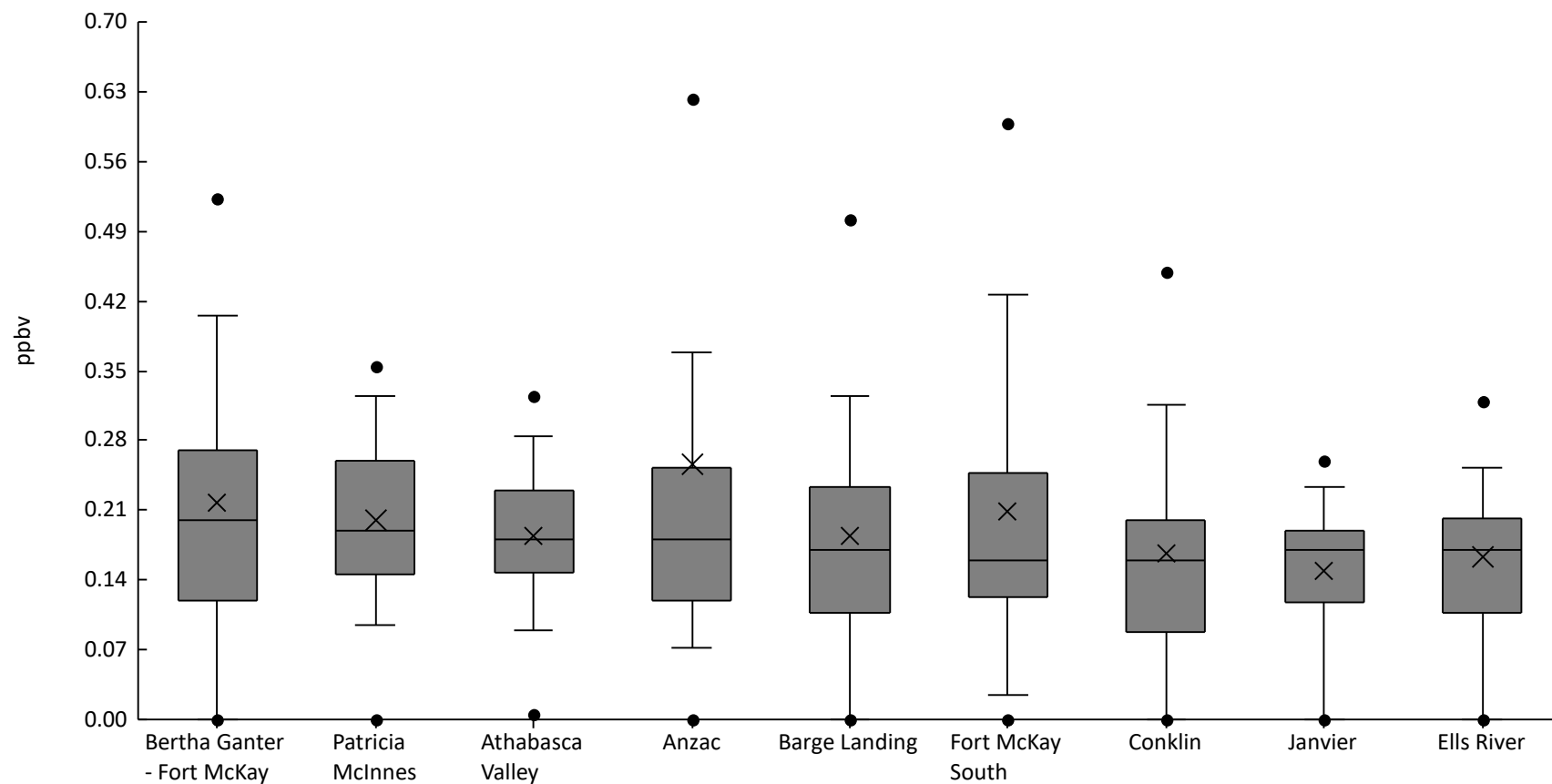
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	3%	0	0	0	0	0	0	0	0	0.21	6.2E-3	0.034
AMS06	Patricia McInnes	60	3%	0	0	0	0	0	0	0	0	0.45	0.011	0.064
AMS07	Athabasca Valley	61	2%	0	0	0	0	0	0	0	0	0.21	3.4E-3	0.027
AMS14	Anzac	61	3%	0	0	0	0	0	0	0	0	0.44	0.011	0.062
AMS09	Barge Landing	61	3%	0	0	0	0	0	0	0	0	0.21	6.2E-3	0.034
AMS13	Fort McKay South	59	3%	0	0	0	0	0	0	0	0	0.21	6.4E-3	0.035
AMS21	Conklin	61	7%	0	0	0	0	0	0	0	0.18	0.24	0.013	0.052
AMS22	Janvier	61	3%	0	0	0	0	0	0	0	0	0.21	6.2E-3	0.034
AMS30	Ells River	61	3%	0	0	0	0	0	0	0	0	0.21	6.2E-3	0.034





Volatile Organic Compound Canister - Toluene (ppbv) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	87%	0	0	0	0.12	0.2	0.27	0.41	0.52	0.87	0.22	0.17
AMS06	Patricia McInnes	60	93%	0	0	0.095	0.15	0.19	0.26	0.33	0.36	0.6	0.2	0.11
AMS07	Athabasca Valley	61	95%	0	5.5E-3	0.09	0.15	0.18	0.23	0.28	0.32	0.57	0.18	0.092
AMS14	Anzac	61	92%	0	0	0.072	0.12	0.18	0.25	0.37	0.62	3.4	0.26	0.44
AMS09	Barge Landing	61	89%	0	0	0	0.11	0.17	0.23	0.32	0.5	0.63	0.18	0.13
AMS13	Fort McKay South	59	90%	0	0	0.024	0.12	0.16	0.25	0.43	0.6	1.1	0.21	0.18
AMS21	Conklin	61	84%	0	0	0	0.088	0.16	0.2	0.32	0.45	0.65	0.17	0.14
AMS22	Janvier	61	85%	0	0	0	0.12	0.17	0.19	0.23	0.26	0.34	0.15	0.08
AMS30	Ells River	61	85%	0	0	0	0.11	0.17	0.2	0.25	0.32	0.64	0.16	0.11

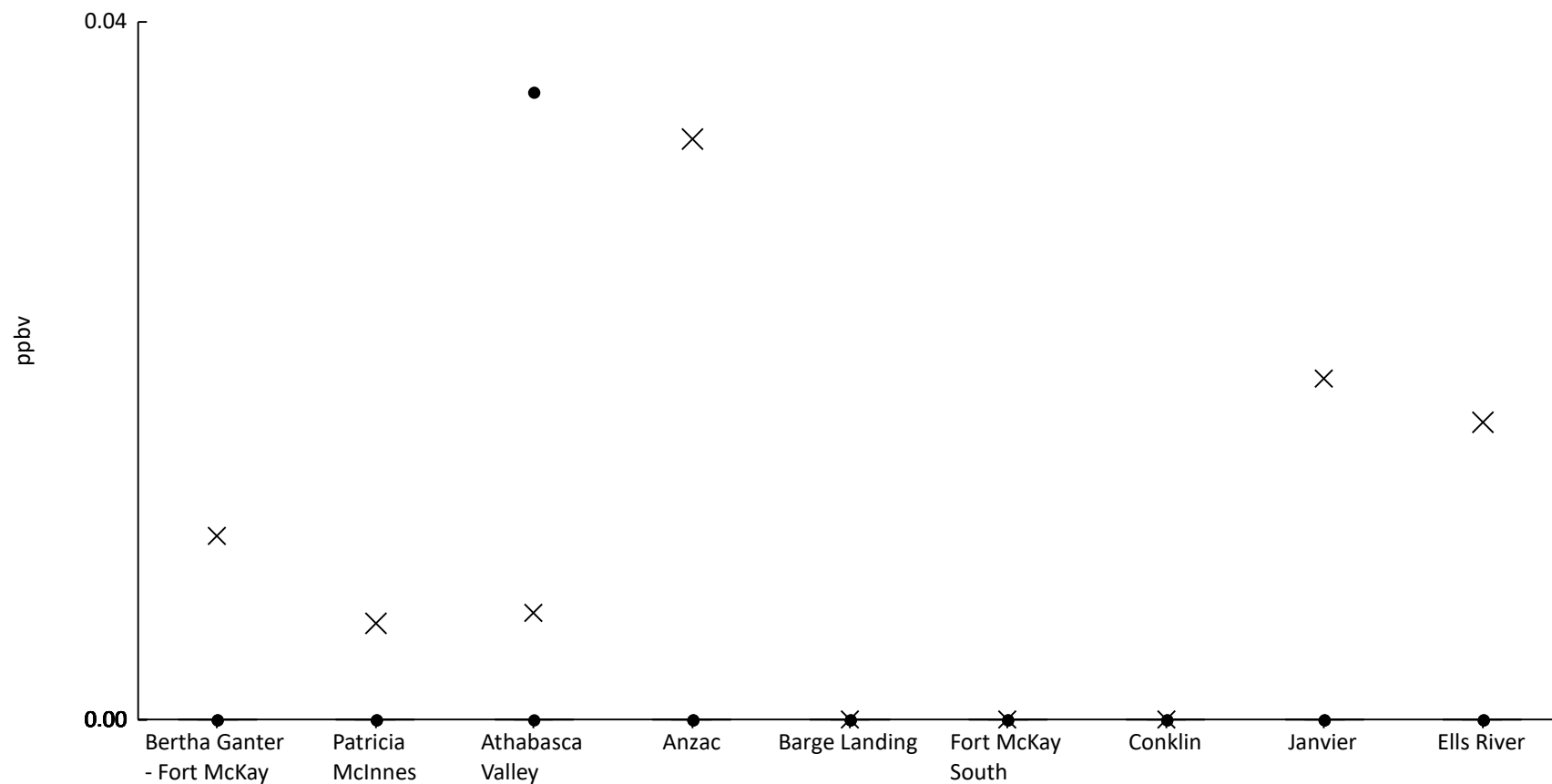






Volatile Organic Compound Canister - trans-2-Butene (ppbv) - 2021

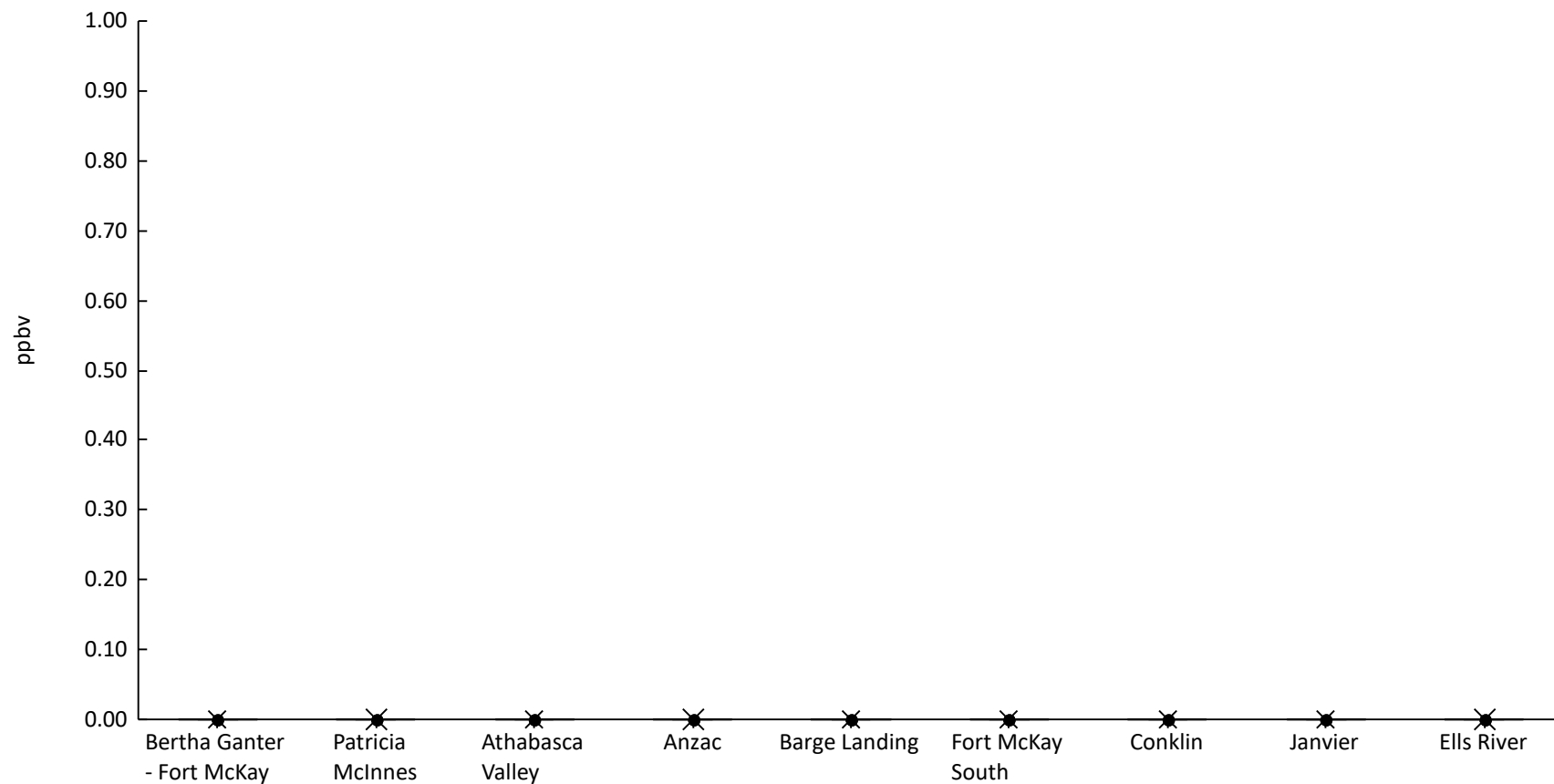
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	2%	0	0	0	0	0	0	0	0	0.64	0.01	0.082
AMS06	Patricia McInnes	60	3%	0	0	0	0	0	0	0	0	0.23	5.5E-3	0.032
AMS07	Athabasca Valley	61	5%	0	0	0	0	0	0	0	0.036	0.16	6.1E-3	0.028
AMS14	Anzac	61	3%	0	0	0	0	0	0	0	0	1.9	0.033	0.25
AMS09	Barge Landing	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS13	Fort McKay South	59	0%	0	0	0	0	0	0	0	0	0	0	0
AMS21	Conklin	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS22	Janvier	61	2%	0	0	0	0	0	0	0	0	1.2	0.02	0.15
AMS30	Ells River	61	3%	0	0	0	0	0	0	0	0	0.99	0.017	0.13





Volatile Organic Compound Canister - trans-2-Hexene (ppbv) - 2021

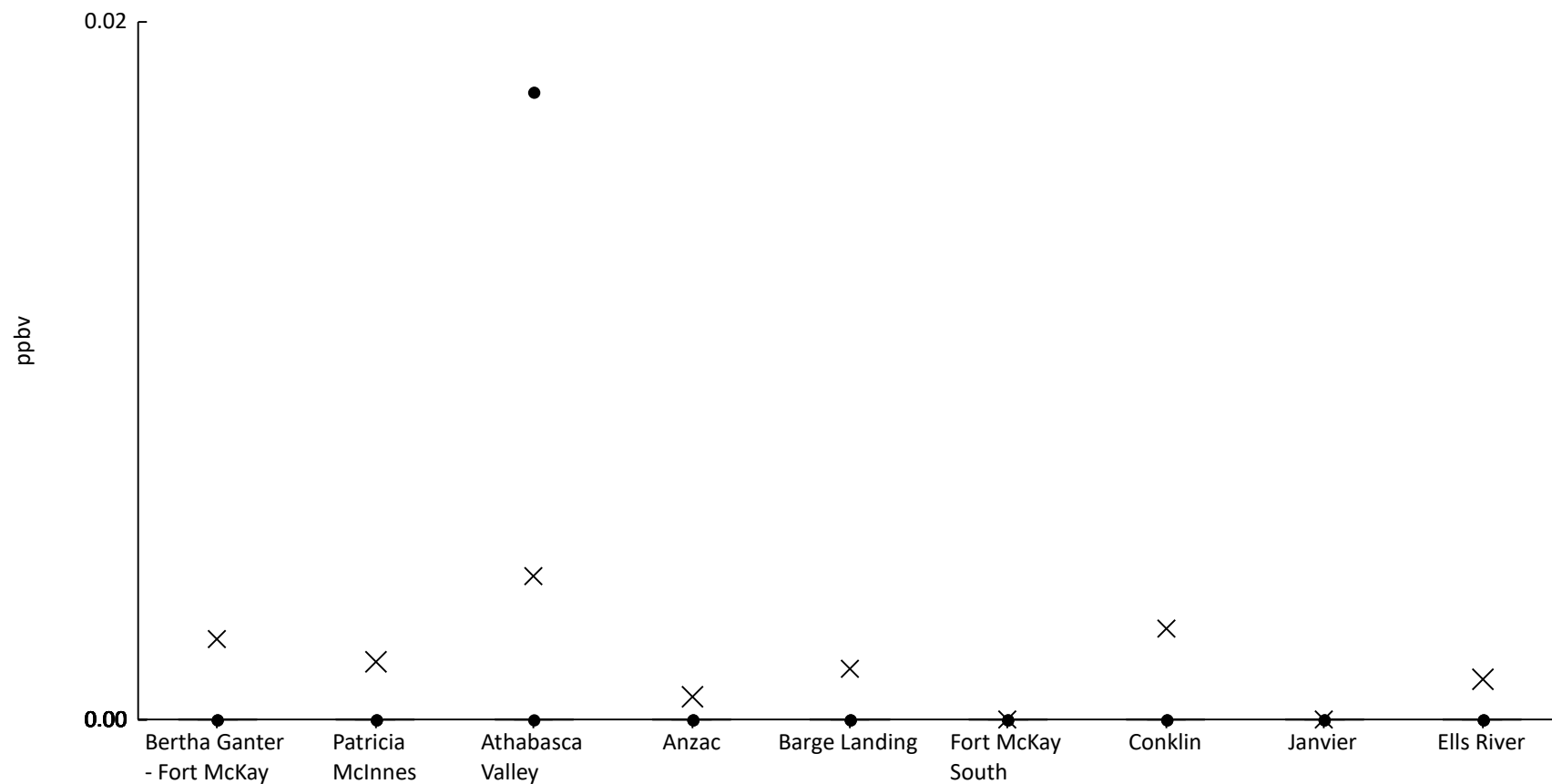
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS06	Patricia McInnes	60	0%	0	0	0	0	0	0	0	0	0	0	0
AMS07	Athabasca Valley	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS14	Anzac	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS09	Barge Landing	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS13	Fort McKay South	59	0%	0	0	0	0	0	0	0	0	0	0	0
AMS21	Conklin	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS22	Janvier	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS30	Ells River	61	0%	0	0	0	0	0	0	0	0	0	0	0





Volatile Organic Compound Canister - trans-2-Pentene (ppbv) - 2021

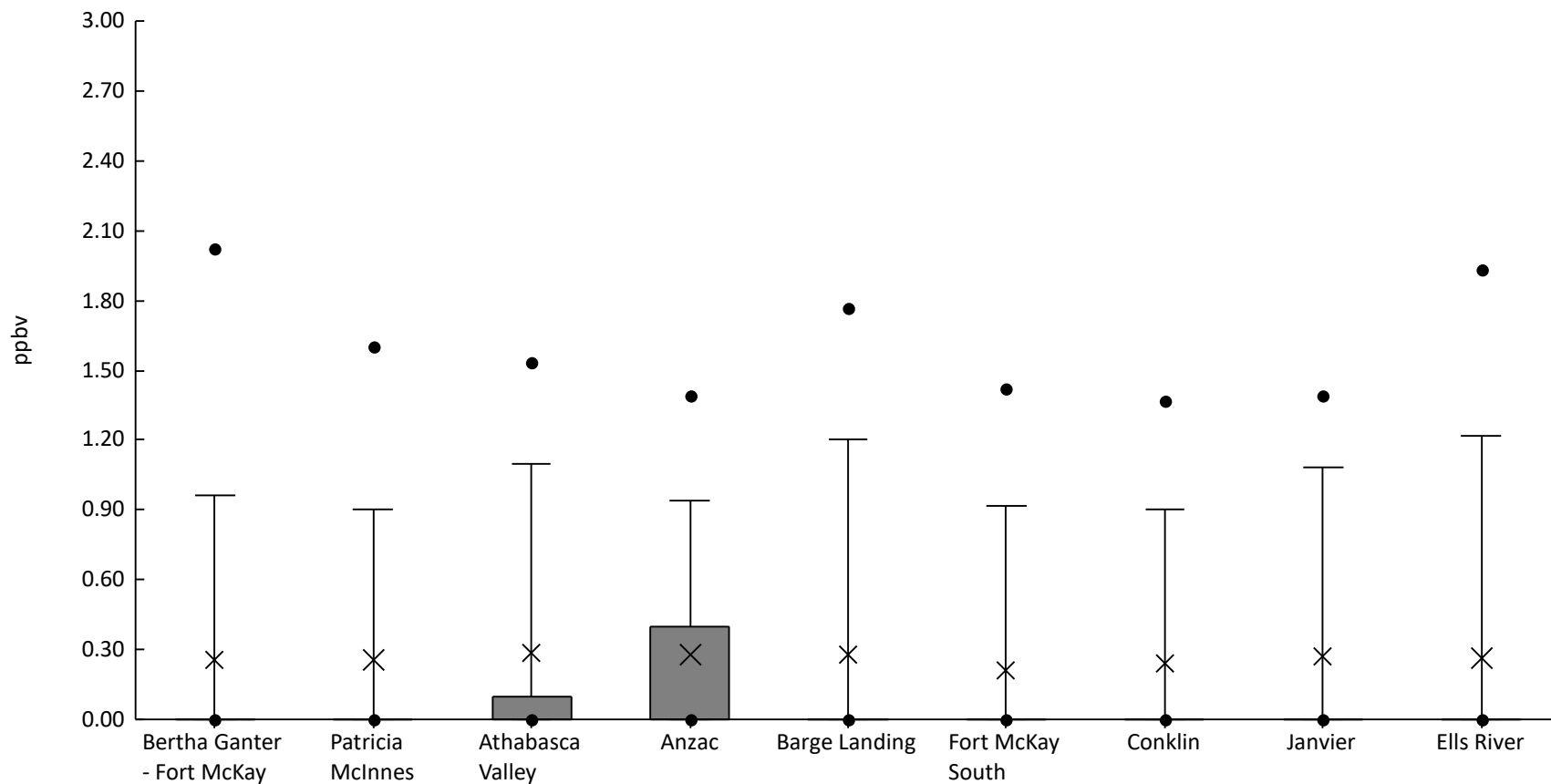
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	3%	0	0	0	0	0	0	0	0	0.1	2.3E-3	0.014
AMS06	Patricia McInnes	60	3%	0	0	0	0	0	0	0	0	0.06	1.7E-3	9.2E-3
AMS07	Athabasca Valley	61	5%	0	0	0	0	0	0	0	0.018	0.12	4.1E-3	0.02
AMS14	Anzac	61	2%	0	0	0	0	0	0	0	0	0.04	6.6E-4	5.1E-3
AMS09	Barge Landing	61	3%	0	0	0	0	0	0	0	0	0.05	1.5E-3	8.1E-3
AMS13	Fort McKay South	59	0%	0	0	0	0	0	0	0	0	0	0	0
AMS21	Conklin	61	3%	0	0	0	0	0	0	0	0	0.1	2.6E-3	0.015
AMS22	Janvier	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS30	Ells River	61	2%	0	0	0	0	0	0	0	0	0.07	1.1E-3	9E-3





Volatile Organic Compound Canister - Methylvinylketone (ppbv) - 2021

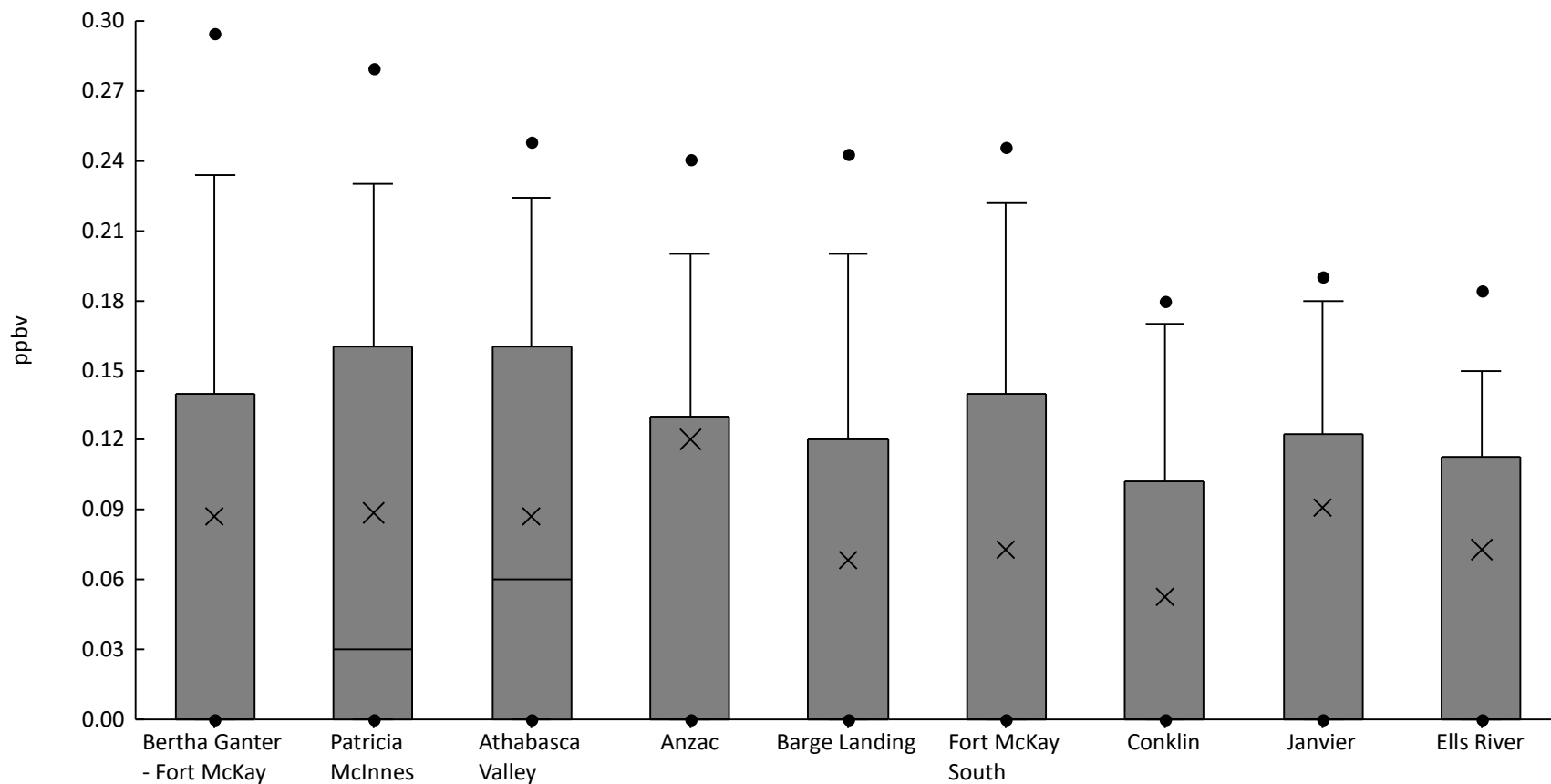
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	21%	0	0	0	0	0	0	0.96	2	3	0.26	0.66
AMS06	Patricia McInnes	60	22%	0	0	0	0	0	0	0.9	1.6	3.4	0.26	0.64
AMS07	Athabasca Valley	61	25%	0	0	0	0	0	0.1	1.1	1.5	3.1	0.28	0.62
AMS14	Anzac	61	28%	0	0	0	0	0	0.4	0.94	1.4	3.4	0.28	0.62
AMS09	Barge Landing	61	23%	0	0	0	0	0	0	1.2	1.8	3.9	0.28	0.71
AMS13	Fort McKay South	59	22%	0	0	0	0	0	0	0.92	1.4	2.3	0.21	0.5
AMS21	Conklin	61	21%	0	0	0	0	0	0	0.9	1.4	3.8	0.24	0.64
AMS22	Janvier	61	23%	0	0	0	0	0	0	1.1	1.4	4.2	0.27	0.7
AMS30	Ells River	61	23%	0	0	0	0	0	0	1.2	1.9	2.8	0.26	0.64





Volatile Organic Compound Canister - 1-Butene/Isobutylene (ppbv) - 2021

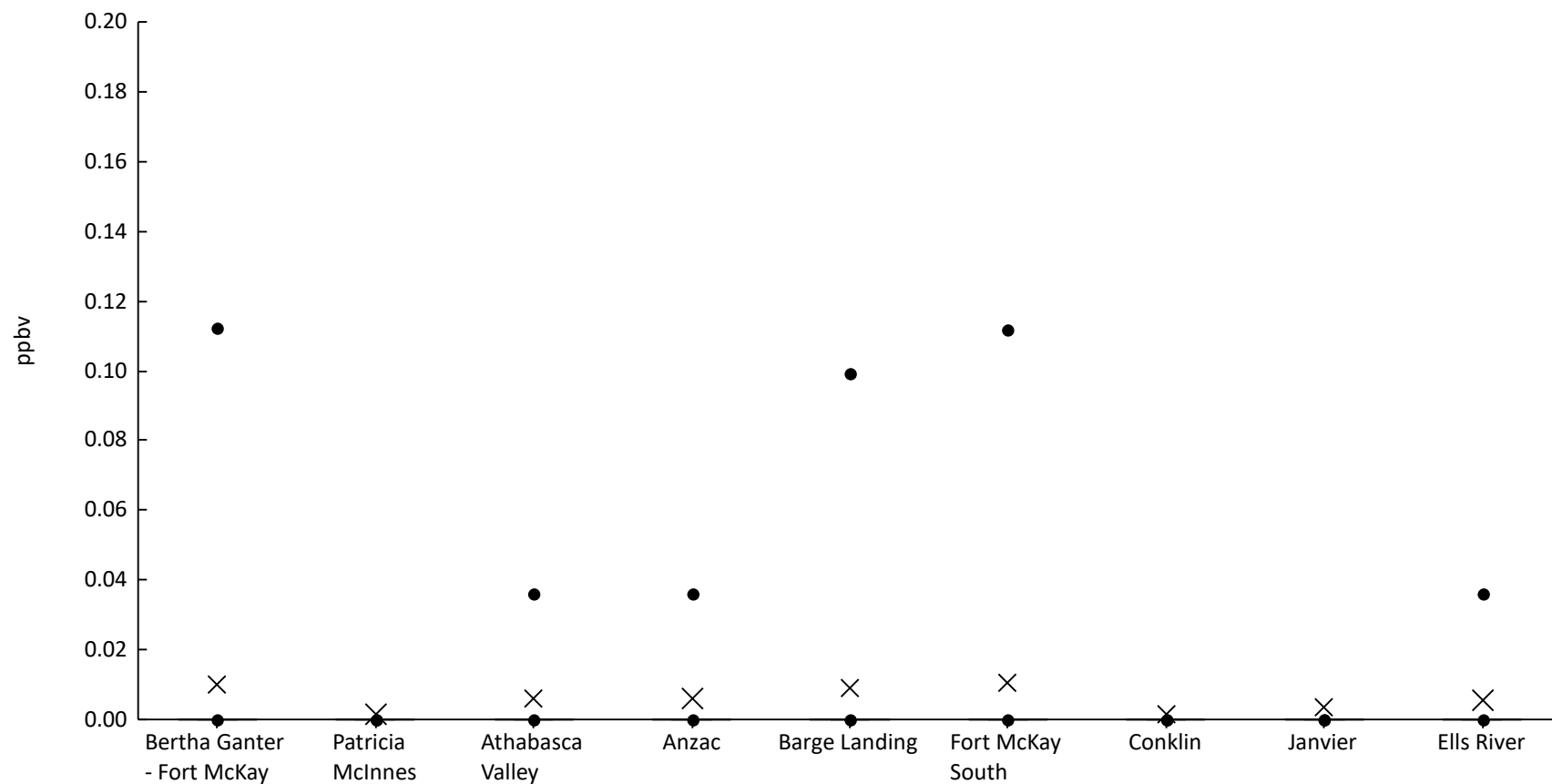
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	43%	0	0	0	0	0	0.14	0.23	0.29	1.1	0.087	0.16
AMS06	Patricia McInnes	60	50%	0	0	0	0	0.03	0.16	0.23	0.28	0.48	0.089	0.11
AMS07	Athabasca Valley	61	52%	0	0	0	0	0.06	0.16	0.22	0.25	0.35	0.087	0.096
AMS14	Anzac	61	49%	0	0	0	0	0	0.13	0.2	0.24	3.4	0.12	0.43
AMS09	Barge Landing	61	44%	0	0	0	0	0	0.12	0.2	0.24	0.37	0.068	0.091
AMS13	Fort McKay South	59	47%	0	0	0	0	0	0.14	0.22	0.25	0.27	0.073	0.088
AMS21	Conklin	61	44%	0	0	0	0	0	0.1	0.17	0.18	0.2	0.053	0.066
AMS22	Janvier	61	48%	0	0	0	0	0	0.12	0.18	0.19	2	0.091	0.26
AMS30	Ells River	61	38%	0	0	0	0	0	0.11	0.15	0.18	1.7	0.073	0.22





Volatile Organic Compound Canister - 1-Hexene/2-Methyl-1-pentene (ppbv) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	8%	0	0	0	0	0	0	0	0.11	0.16	0.01	0.036
AMS06	Patricia McInnes	60	2%	0	0	0	0	0	0	0	0	0.08	1.3E-3	0.01
AMS07	Athabasca Valley	61	5%	0	0	0	0	0	0	0	0.036	0.15	5.9E-3	0.027
AMS14	Anzac	61	5%	0	0	0	0	0	0	0	0.036	0.15	5.9E-3	0.027
AMS09	Barge Landing	61	8%	0	0	0	0	0	0	0	0.099	0.13	8.9E-3	0.03
AMS13	Fort McKay South	59	8%	0	0	0	0	0	0	0	0.11	0.17	0.011	0.036
AMS21	Conklin	61	2%	0	0	0	0	0	0	0	0	0.08	1.3E-3	0.01
AMS22	Janvier	61	3%	0	0	0	0	0	0	0	0	0.13	3.4E-3	0.019
AMS30	Ells River	61	5%	0	0	0	0	0	0	0	0.036	0.13	5.6E-3	0.025



**WOOD BUFFALO ENVIRONMENTAL ASSOCIATION**

**INTEGRATED MONITORING PROGRAM  
ANNUAL REPORT**

**PARTICULATE MATTER 2.5 – IONS  
PARTICULATE MATTER 10 – IONS  
PARTICULATE MATTER 2.5 – ELEMENTS  
PARTICULATE MATTER 10 – ELEMENTS  
DATA SUMMARY 2021**

Prepared  
March 2022

**SAMPLE COLLECTION AND DATA COMPILATION BY:**

**Wood Buffalo Environmental Association  
Fort McMurray, Alberta**

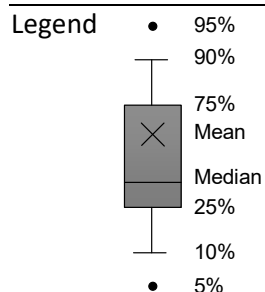
**LABORATORY ANALYSIS BY:**

PM: Desert Research Institute  
Reno, NV

CONTENTS DESCRIPTION	Annual Summary of Partisol Sampler Measurements of Mass, Ions by IC and Elements by ICP-MS
SAMPLE PERIOD	24 hour
SAMPLING INTERVAL	Once every 6 days
UNITS	$\mu\text{g}/\text{m}^3$ (microgram per cubic meter)
OBSERVATION TYPE	Particles
FIELD SAMPLING OR MEASUREMENT PRINCIPLE	Filtration with $\text{PM}_{10}$ Inlet for $\text{PM}_{10}$ and with $\text{PM}_{10}$ Inlet/Very Sharp Cut Cyclone for $\text{PM}_{2.5}$
PARTICLE DIAMETER	$< 2.5 \mu\text{m}$ or $< 10 \mu\text{m}$
MEDIUM	47 mm Teflon Filter
ANALYTICALMETHODS	MASS by Microbalance ELEMENTS by Inductively Coupled Plasma Mass Spectrometry (ICP/MS) IONS by Ion Chromatography (IC)
SAMPLE PREPARATION	DI Water extraction for IC analysis and Acid Digestion for ICP/MS Analysis
ANALYTICAL LABORATORY	Desert Research Institute
USER NOTE 1	Data are not blank corrected
USER NOTE 2	Volume is given at actual conditions of temperature and pressure during sampling as measured by the sampler
USER NOTE 3	Blank sample concentration ( $\mu\text{g}/\text{m}^3$ ) is calculated using expected actual volume of sampler
USER NOTE 4	Partisols for $\text{PM}_{2.5}$ at AMS 15 occasionally samples 24.1 $\text{m}^3$ despite being set for 24 $\text{m}^3$ . Flow has been calibrated. Reason for this behaviour is unknown.
USER NOTE 5	Data flags must be valid(V#) to be included in summary table
VOLUME STANDARDIZATION	Actual Volume at Ambient Conditions (since 01-Jan-2011)
SAMPLING INSTRUMENT TYPE	For $\text{PM}_{10}$ FRM Partisol $\text{PM}_{10}$ sampler For $\text{PM}_{2.5}$ FRM Partisol $\text{PM}_{2.5}$ sampler

#### FLAGS USED

V0	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V4	Valid value despite failing to meet some QC or statistical criteria
V5	Valid value but qualified because of possible contamination
V6	Valid value but qualified due to non-standard sampling conditions
M1	Missing value because no value is available
M2	Missing value because invalidated by Data Originator

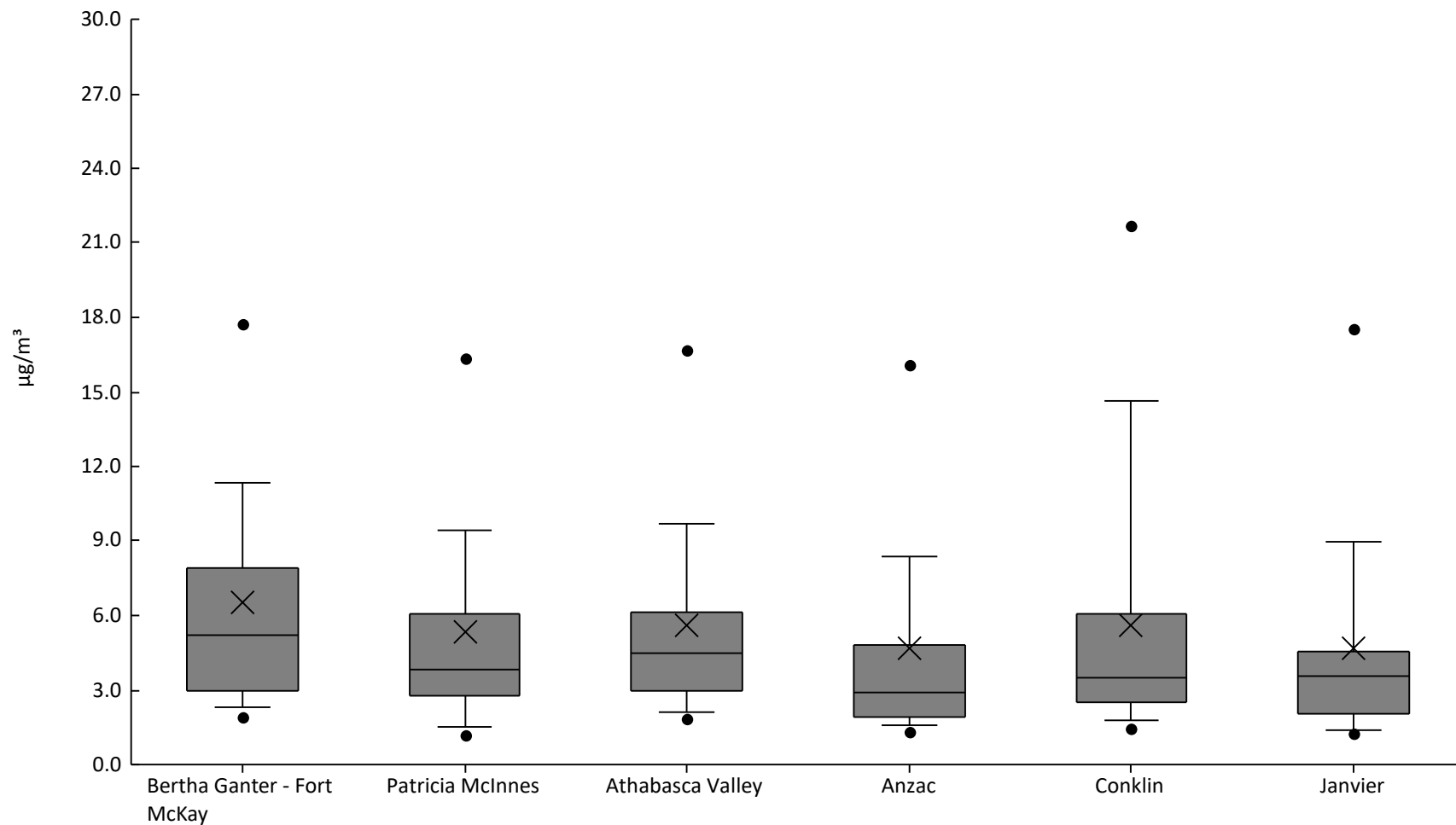






Particulate Matter <2.5µm Tested For Ions - Particulate Matter (µg/m<sup>3</sup>) - 2021

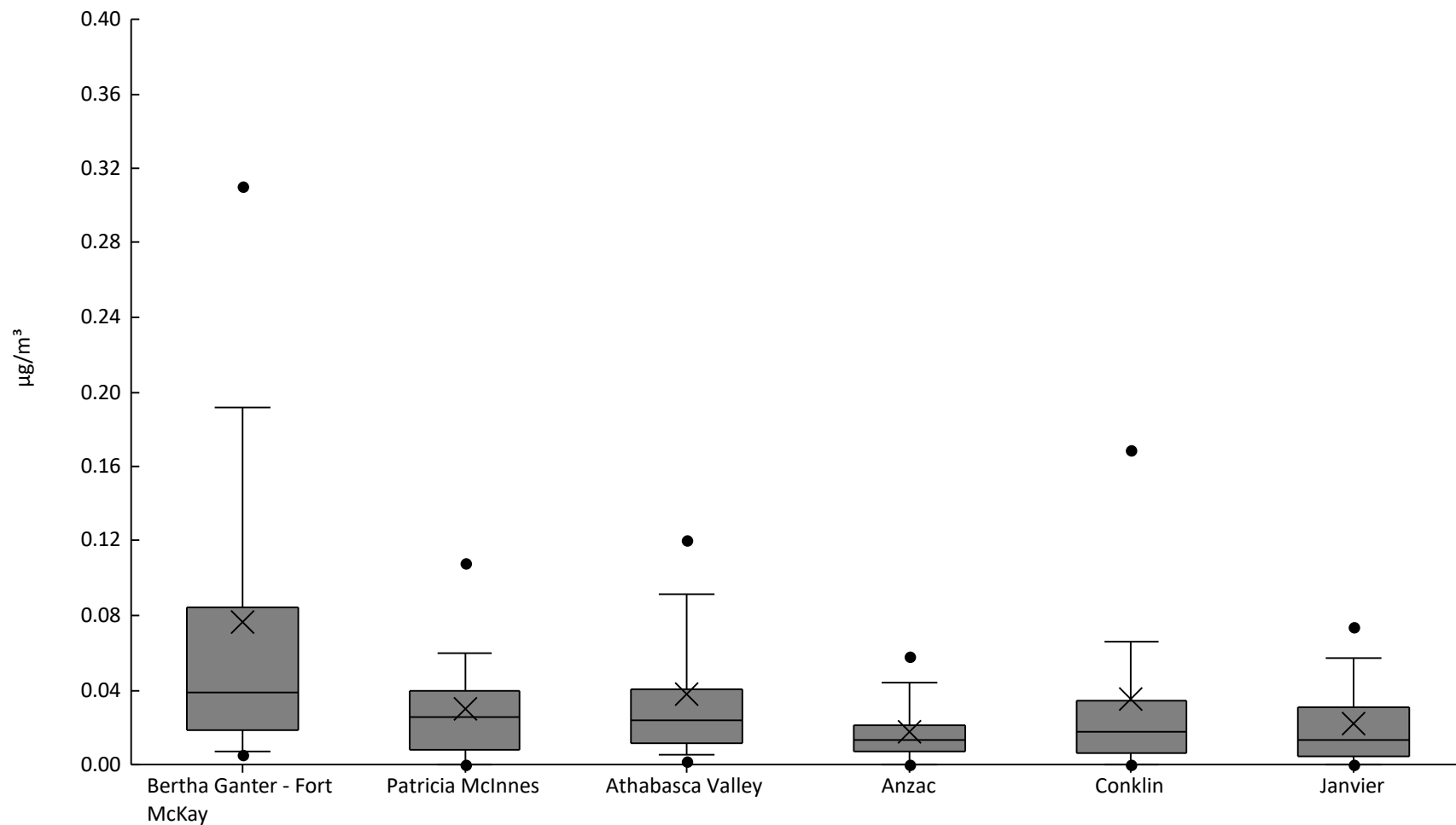
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	59	100%	1.5	1.9	2.3	3	5.2	7.9	11	18	31	6.6	5.4
AMS06	Patricia McInnes	61	100%	1	1.2	1.5	2.8	3.8	6	9.4	16	26	5.3	4.7
AMS07	Athabasca Valley	61	100%	1.2	1.9	2.1	3	4.5	6.1	9.7	17	25	5.6	4.5
AMS14	Anzac	61	100%	0.67	1.3	1.6	1.9	2.9	4.8	8.4	16	26	4.7	5.1
AMS21	Conklin	52	100%	0.75	1.4	1.8	2.5	3.5	6	15	22	27	5.6	5.8
AMS22	Janvier	61	100%	0.63	1.3	1.4	2.1	3.5	4.6	9	18	22	4.7	4.7





Particulate Matter <2.5µm Tested For Ions - Calcium Ion (µg/m³) - 2021

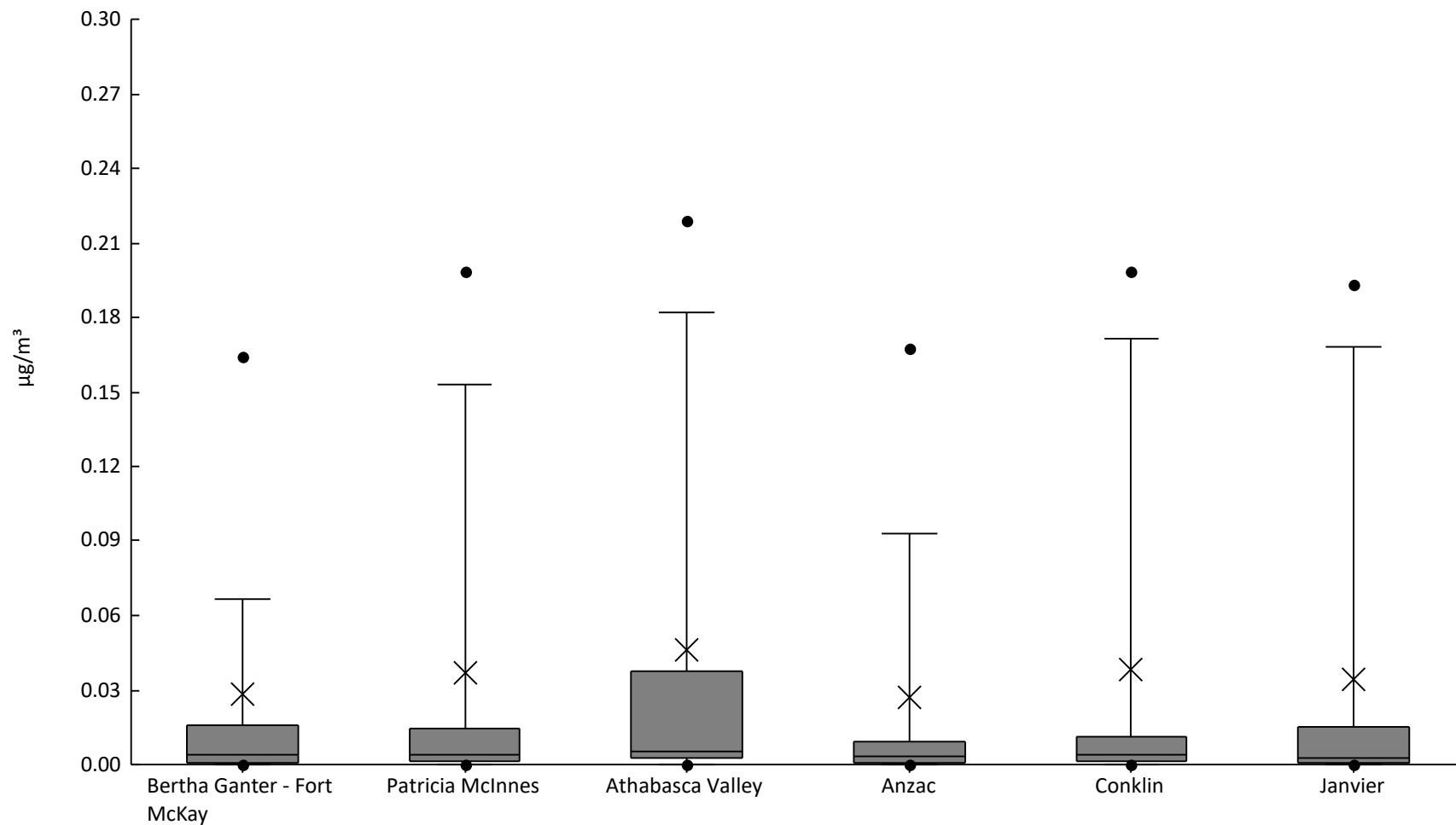
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	59	98%	0	5.6E-3	7.2E-3	0.019	0.039	0.084	0.19	0.31	0.55	0.076	0.1
AMS06	Patricia McInnes	61	85%	0	0	0	7.5E-3	0.026	0.04	0.06	0.11	0.14	0.03	0.031
AMS07	Athabasca Valley	61	95%	0	1.9E-3	5.2E-3	0.011	0.024	0.04	0.091	0.12	0.3	0.038	0.048
AMS14	Anzac	61	89%	0	0	0	6.8E-3	0.013	0.021	0.044	0.058	0.096	0.017	0.018
AMS21	Conklin	52	87%	0	0	0	5.9E-3	0.018	0.034	0.066	0.17	0.37	0.035	0.062
AMS22	Janvier	61	89%	0	0	0	4.8E-3	0.013	0.03	0.058	0.073	0.11	0.022	0.024





Particulate Matter <2.5µm Tested For Ions - Chloride Ion (µg/m³) - 2021

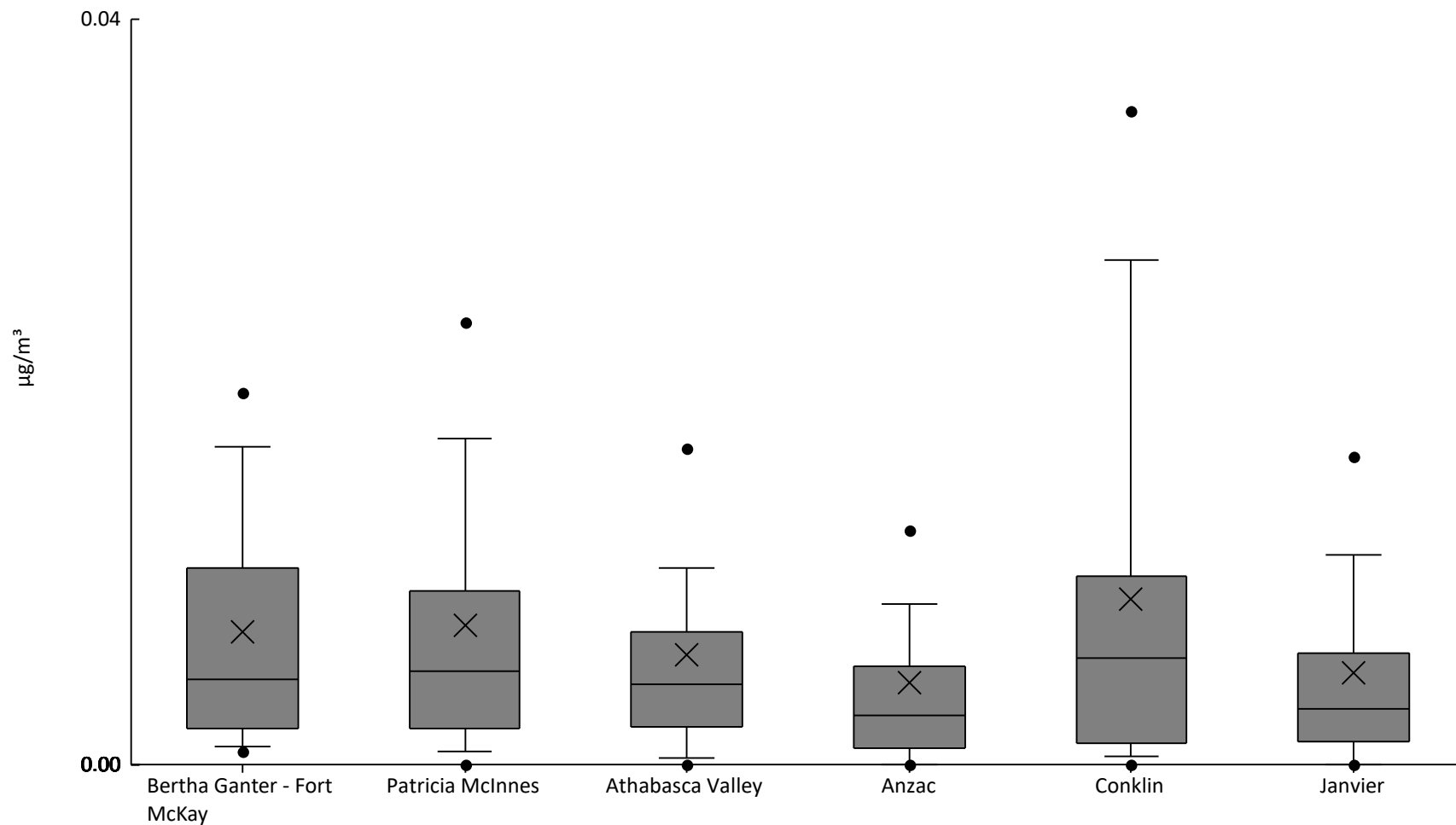
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	59	68%	0	0	0	7.3E-4	4.2E-3	0.016	0.067	0.16	0.48	0.028	0.074
AMS06	Patricia McInnes	61	74%	0	0	0	1.1E-3	3.7E-3	0.014	0.15	0.2	0.53	0.037	0.097
AMS07	Athabasca Valley	61	82%	0	0	2.2E-4	2.8E-3	5.2E-3	0.038	0.18	0.22	0.47	0.046	0.089
AMS14	Anzac	61	70%	0	0	0	6.8E-4	3.2E-3	9.1E-3	0.093	0.17	0.4	0.027	0.073
AMS21	Conklin	52	73%	0	0	0	1E-3	3.8E-3	0.011	0.17	0.2	0.58	0.038	0.1
AMS22	Janvier	61	72%	0	0	0	7.5E-4	2.9E-3	0.015	0.17	0.19	0.4	0.034	0.075





Particulate Matter <2.5µm Tested For Ions - Magnesium Ion (µg/m³) - 2021

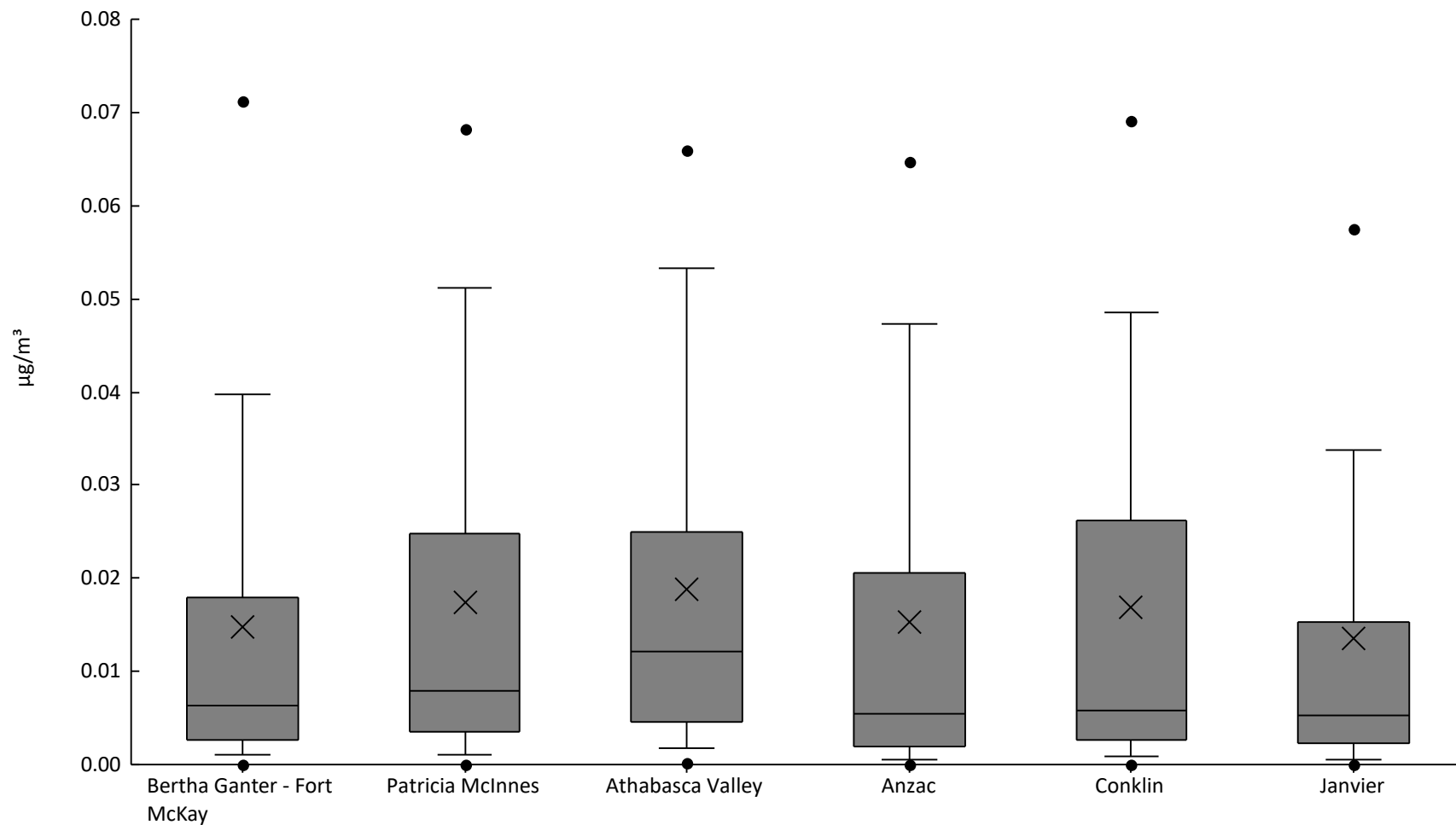
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	59	97%	0	7.5E-4	1E-3	1.9E-3	4.6E-3	0.011	0.017	0.02	0.029	7.1E-3	6.5E-3
AMS06	Patricia McInnes	61	93%	0	0	6.6E-4	1.9E-3	5E-3	9.3E-3	0.017	0.024	0.05	7.5E-3	8.5E-3
AMS07	Athabasca Valley	61	92%	0	0	3.6E-4	2.1E-3	4.3E-3	7.1E-3	0.011	0.017	0.059	5.9E-3	8.2E-3
AMS14	Anzac	61	89%	0	0	0	9E-4	2.6E-3	5.3E-3	8.6E-3	0.013	0.055	4.4E-3	7.4E-3
AMS21	Conklin	52	90%	0	0	4.2E-4	1.1E-3	5.7E-3	0.01	0.027	0.035	0.058	8.9E-3	0.012
AMS22	Janvier	61	89%	0	0	0	1.2E-3	3E-3	6E-3	0.011	0.017	0.043	4.9E-3	6.7E-3





Particulate Matter <2.5µm Tested For Ions - Potassium Ion (µg/m³) - 2021

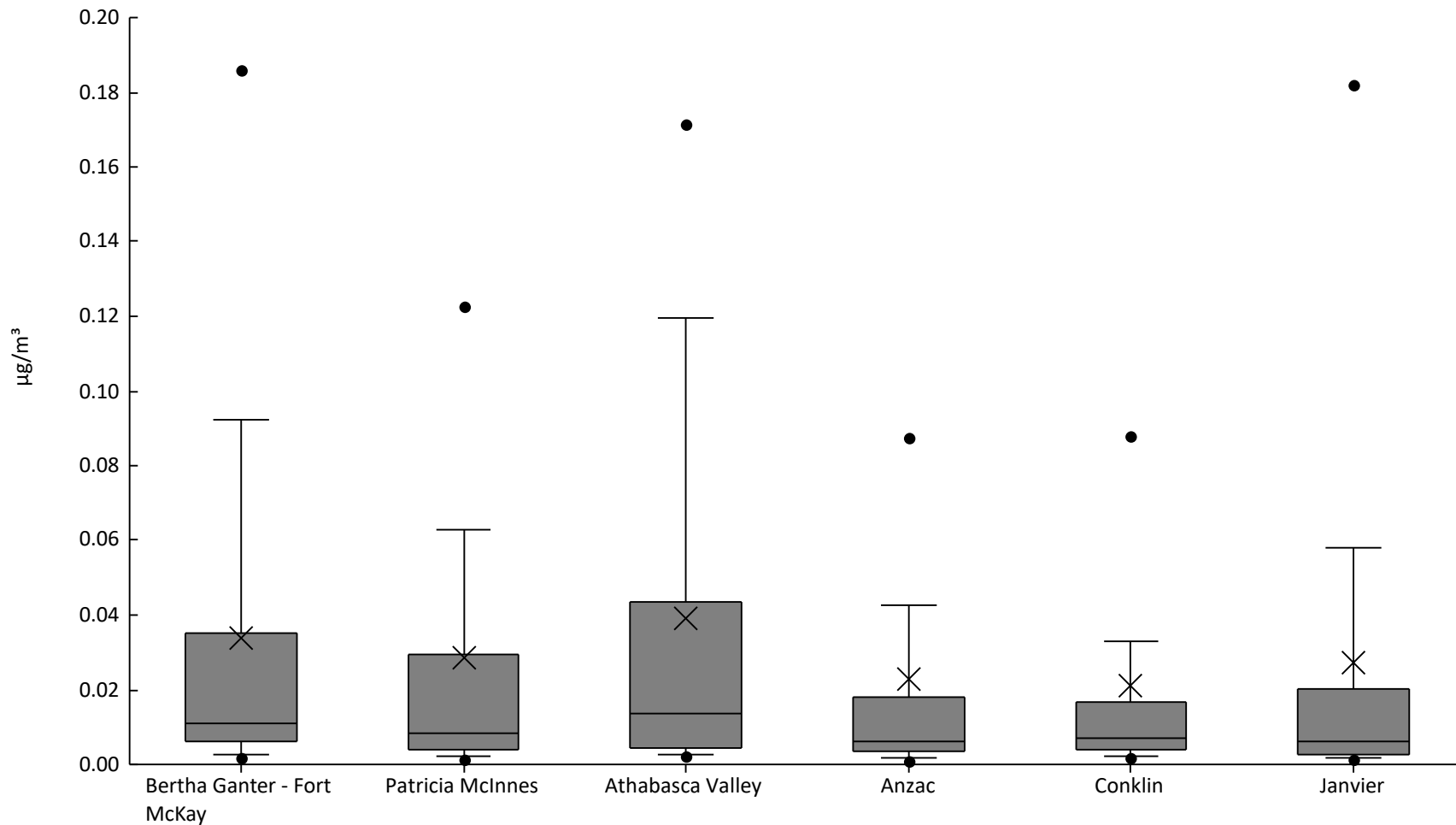
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	59	92%	0	0	1E-3	2.7E-3	6.3E-3	0.018	0.04	0.071	0.087	0.015	0.02
AMS06	Patricia McInnes	61	92%	0	0	1.1E-3	3.6E-3	8E-3	0.025	0.051	0.068	0.097	0.017	0.021
AMS07	Athabasca Valley	61	95%	0	1.1E-4	1.8E-3	4.7E-3	0.012	0.025	0.053	0.066	0.076	0.019	0.02
AMS14	Anzac	61	93%	0	0	4.6E-4	1.9E-3	5.5E-3	0.021	0.047	0.065	0.074	0.015	0.02
AMS21	Conklin	52	92%	0	0	9.6E-4	2.7E-3	5.9E-3	0.026	0.049	0.069	0.093	0.017	0.022
AMS22	Janvier	61	92%	0	0	6E-4	2.2E-3	5.2E-3	0.015	0.034	0.058	0.09	0.013	0.019





Particulate Matter <2.5µm Tested For Ions - Sodium Ion (µg/m³) - 2021

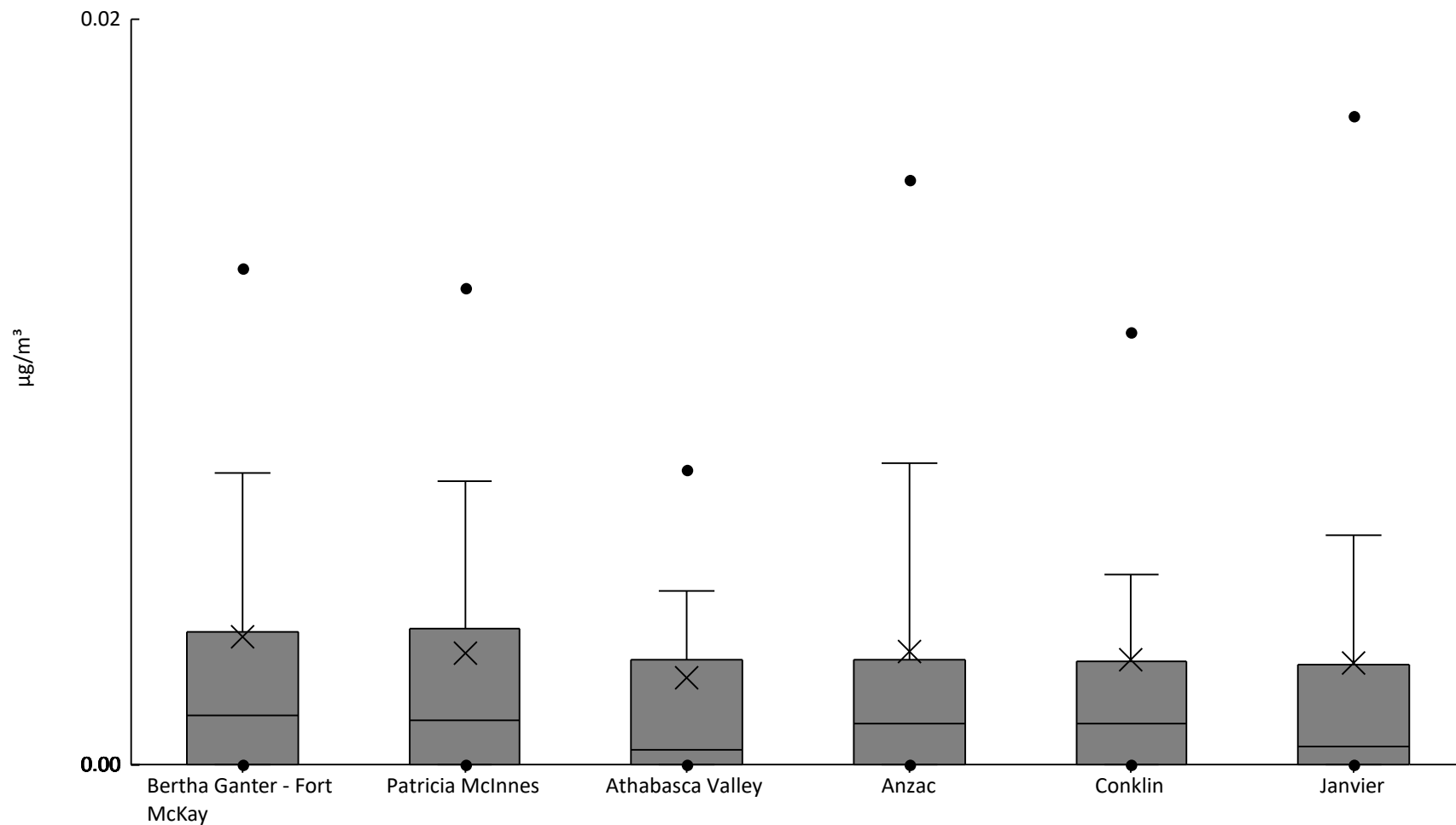
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	59	100%	1.5E-3	1.8E-3	2.7E-3	6E-3	0.011	0.035	0.092	0.19	0.23	0.034	0.053
AMS06	Patricia McInnes	61	100%	7E-4	1.5E-3	2E-3	4E-3	8.2E-3	0.03	0.063	0.12	0.32	0.029	0.054
AMS07	Athabasca Valley	61	100%	9E-4	2.3E-3	2.7E-3	4.6E-3	0.014	0.044	0.12	0.17	0.38	0.039	0.066
AMS14	Anzac	61	98%	6E-4	9E-4	1.6E-3	3.3E-3	6.2E-3	0.018	0.043	0.088	0.37	0.023	0.054
AMS21	Conklin	52	100%	9E-4	1.6E-3	2.1E-3	4.1E-3	6.9E-3	0.017	0.033	0.088	0.35	0.021	0.053
AMS22	Janvier	61	100%	9E-4	1.2E-3	1.6E-3	2.8E-3	6.2E-3	0.02	0.058	0.18	0.35	0.027	0.06





Particulate Matter <2.5µm Tested For Ions - Fluoride Ion (µg/m³) - 2021

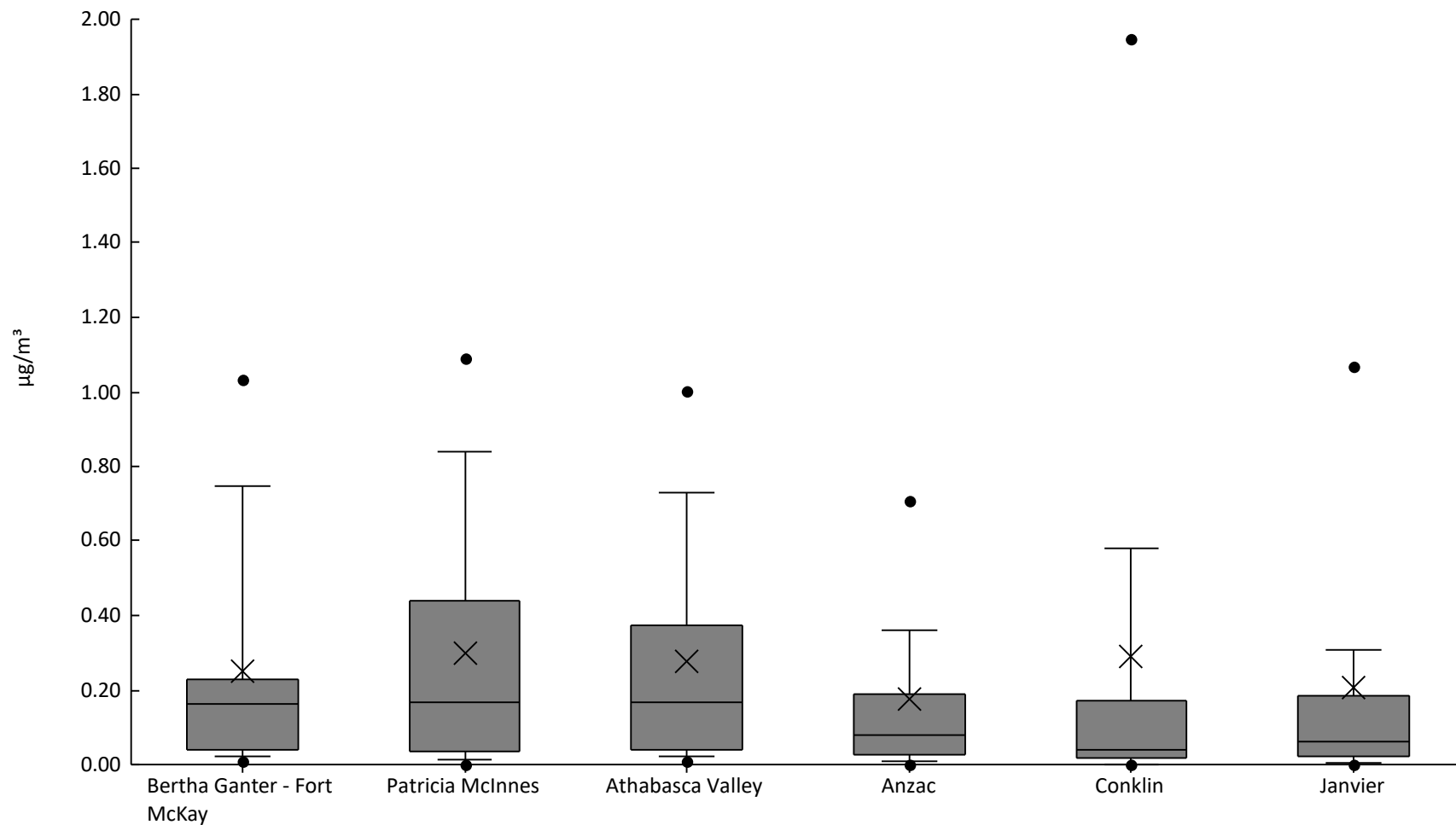
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	59	63%	0	0	0	0	1.3E-3	3.6E-3	7.8E-3	0.013	0.047	3.4E-3	7.2E-3
AMS06	Patricia McInnes	61	59%	0	0	0	0	1.2E-3	3.7E-3	7.6E-3	0.013	0.034	3E-3	5.8E-3
AMS07	Athabasca Valley	61	56%	0	0	0	0	4E-4	2.8E-3	4.6E-3	7.9E-3	0.035	2.3E-3	5.4E-3
AMS14	Anzac	61	64%	0	0	0	0	1.1E-3	2.8E-3	8.1E-3	0.016	0.04	3.1E-3	6.7E-3
AMS21	Conklin	52	62%	0	0	0	0	1.1E-3	2.8E-3	5.1E-3	0.012	0.037	2.8E-3	6.1E-3
AMS22	Janvier	61	52%	0	0	0	0	5E-4	2.7E-3	6.1E-3	0.017	0.029	2.7E-3	5.8E-3





Particulate Matter <2.5µm Tested For Ions - Nitrate Ion (µg/m³) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	59	98%	0	0.011	0.022	0.038	0.16	0.23	0.75	1	1.7	0.25	0.34
AMS06	Patricia McInnes	61	93%	0	0	0.013	0.035	0.17	0.44	0.84	1.1	1.7	0.3	0.37
AMS07	Athabasca Valley	61	95%	0	8.4E-3	0.022	0.039	0.17	0.37	0.73	1	1.4	0.28	0.32
AMS14	Anzac	61	93%	0	0	0.011	0.026	0.079	0.19	0.36	0.71	1.9	0.18	0.3
AMS21	Conklin	52	88%	0	0	0	0.017	0.041	0.17	0.58	1.9	4.5	0.29	0.76
AMS22	Janvier	61	90%	0	0	4.6E-3	0.02	0.064	0.18	0.31	1.1	3.3	0.21	0.49

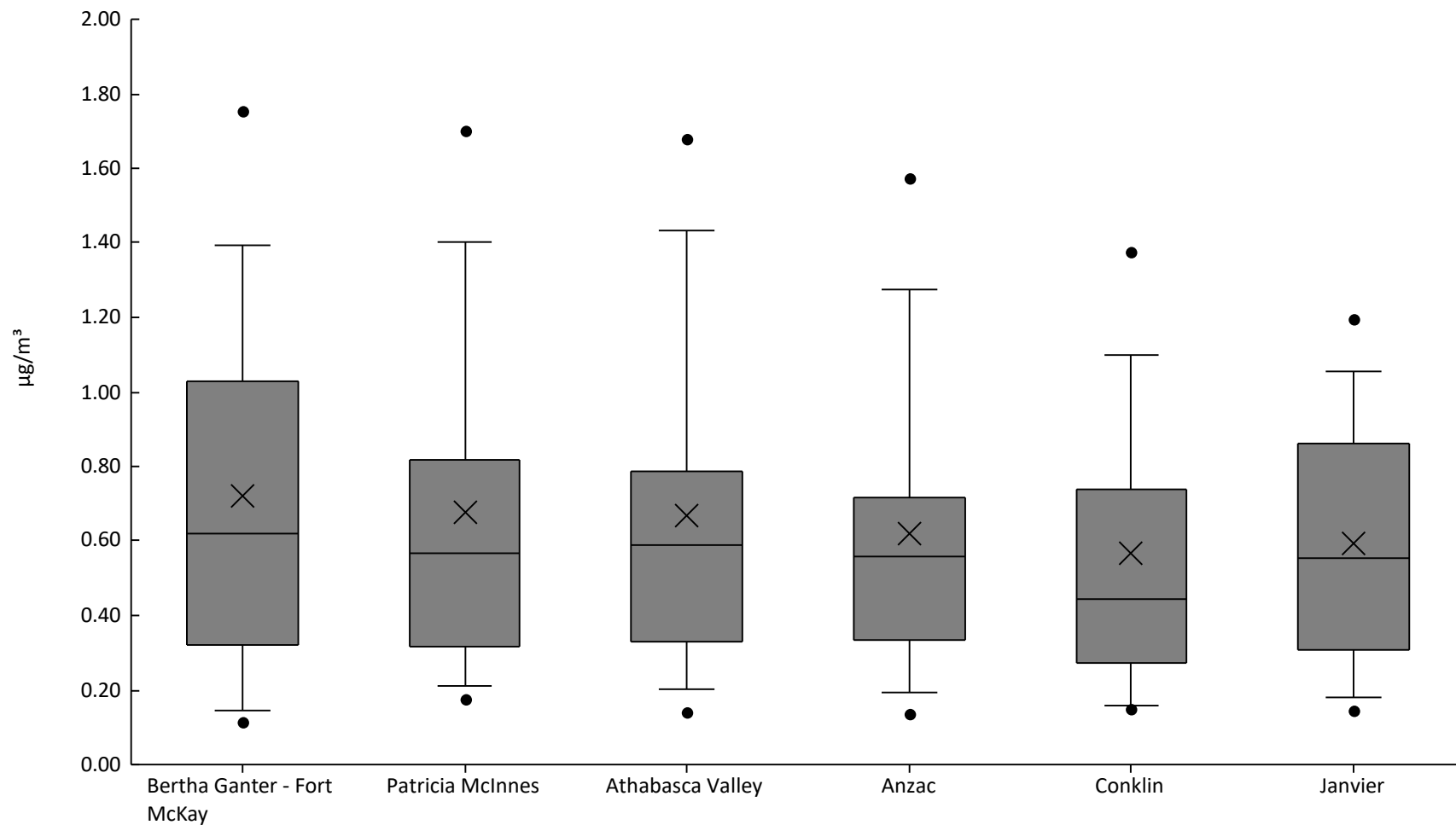






Particulate Matter <2.5µm Tested For Ions - Sulphate Ion (µg/m³) - 2021

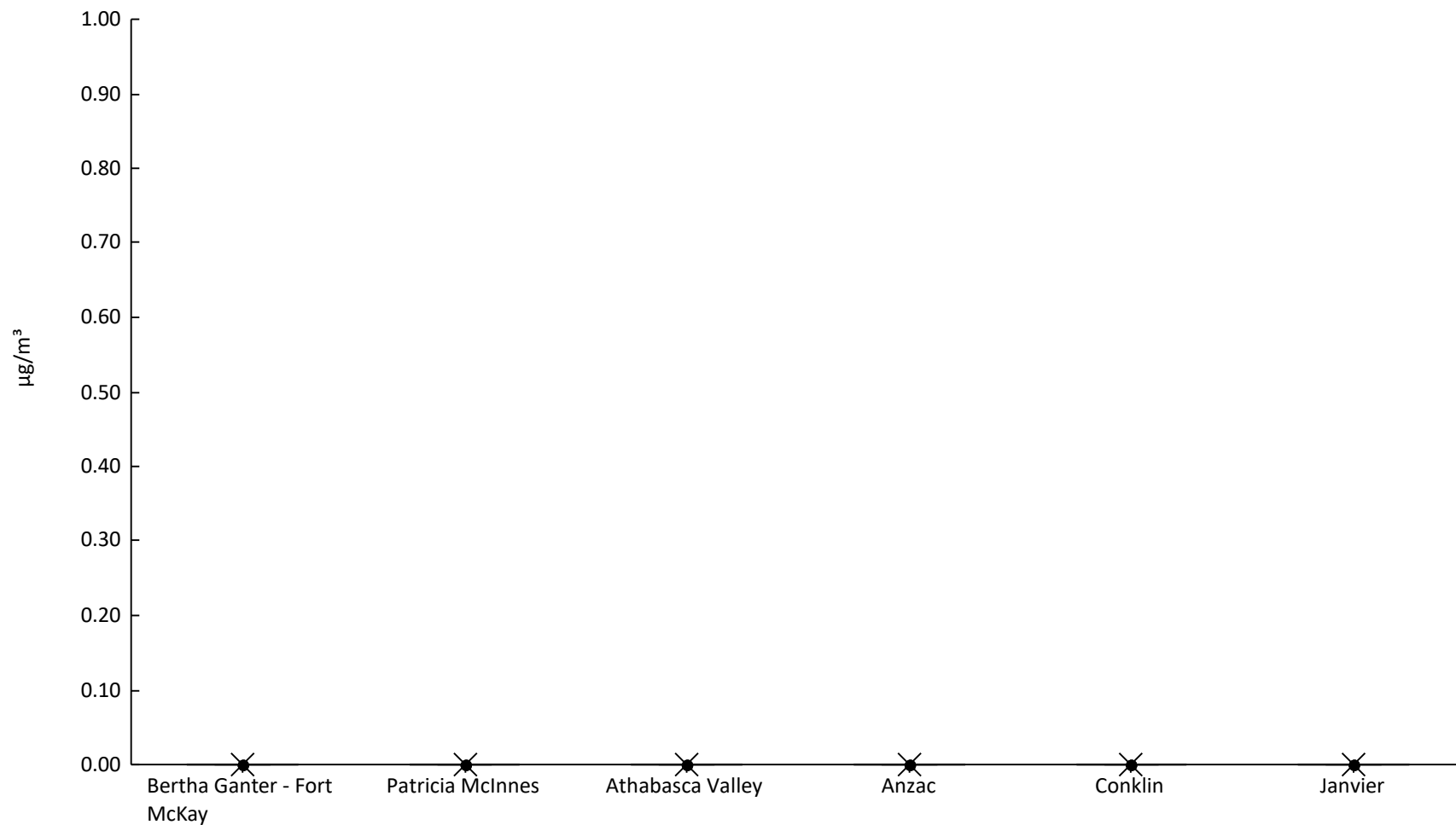
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	59	100%	0.095	0.12	0.15	0.32	0.62	1	1.4	1.8	2	0.72	0.51
AMS06	Patricia McInnes	61	100%	0.053	0.18	0.21	0.32	0.57	0.82	1.4	1.7	2.4	0.68	0.48
AMS07	Athabasca Valley	61	100%	0.058	0.14	0.2	0.33	0.59	0.79	1.4	1.7	1.9	0.67	0.45
AMS14	Anzac	61	100%	0.062	0.14	0.2	0.33	0.56	0.72	1.3	1.6	1.8	0.62	0.41
AMS21	Conklin	52	100%	0.03	0.15	0.16	0.27	0.44	0.74	1.1	1.4	2	0.57	0.4
AMS22	Janvier	61	100%	0.064	0.15	0.18	0.31	0.56	0.86	1.1	1.2	1.9	0.59	0.36





Particulate Matter <2.5µm Tested For Ions - Phosphate Ion (µg/m³) - 2021

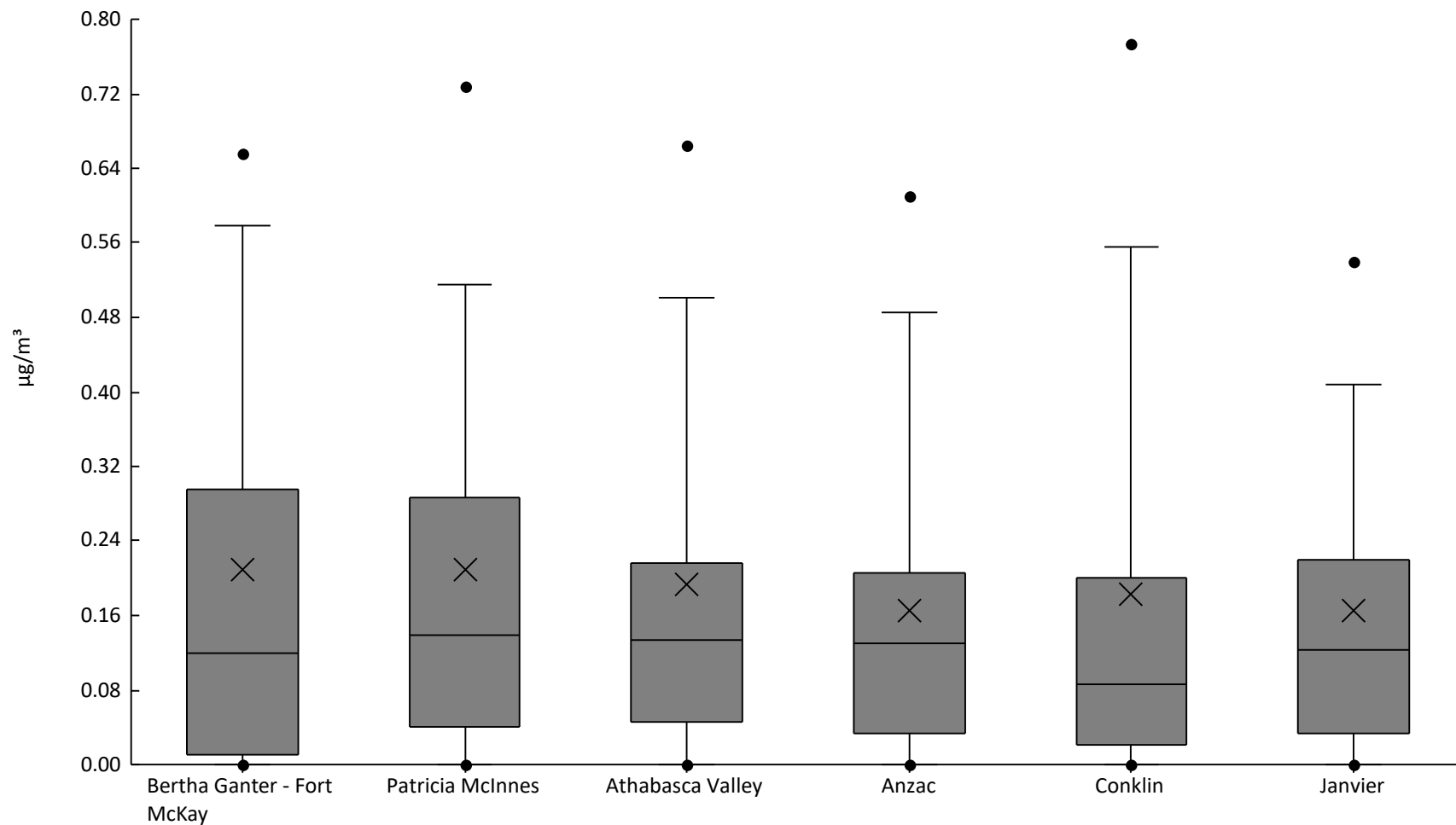
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	59	0%	0	0	0	0	0	0	0	0	0	0	0
AMS06	Patricia McInnes	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS07	Athabasca Valley	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS14	Anzac	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS21	Conklin	52	0%	0	0	0	0	0	0	0	0	0	0	0
AMS22	Janvier	61	0%	0	0	0	0	0	0	0	0	0	0	0





Particulate Matter <2.5µm Tested For Ions - Ammonium Ion (µg/m³) - 2021

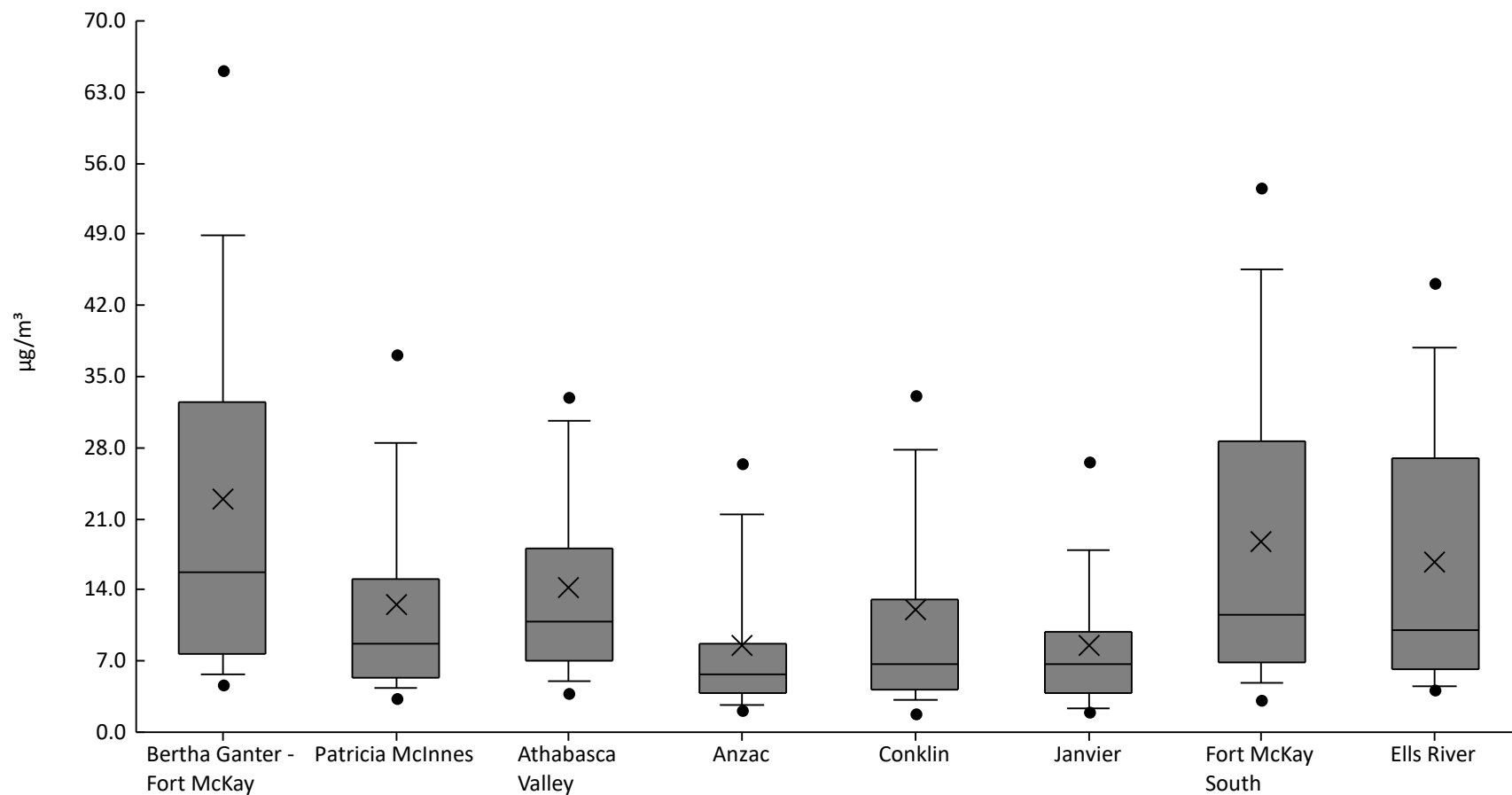
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	59	92%	0	0	1E-4	0.011	0.12	0.29	0.58	0.66	1.6	0.21	0.28
AMS06	Patricia McInnes	61	93%	0	0	1E-4	0.04	0.14	0.29	0.52	0.73	1.1	0.21	0.24
AMS07	Athabasca Valley	61	90%	0	0	6E-5	0.045	0.13	0.22	0.5	0.66	0.84	0.19	0.21
AMS14	Anzac	61	87%	0	0	0	0.034	0.13	0.21	0.49	0.61	0.78	0.17	0.18
AMS21	Conklin	52	85%	0	0	0	0.021	0.086	0.2	0.56	0.77	1.5	0.18	0.28
AMS22	Janvier	61	90%	0	0	6E-5	0.033	0.12	0.22	0.41	0.54	1	0.17	0.19





Particulate Matter <10µm Tested For Ions - Particulate Matter (µg/m³) - 2021

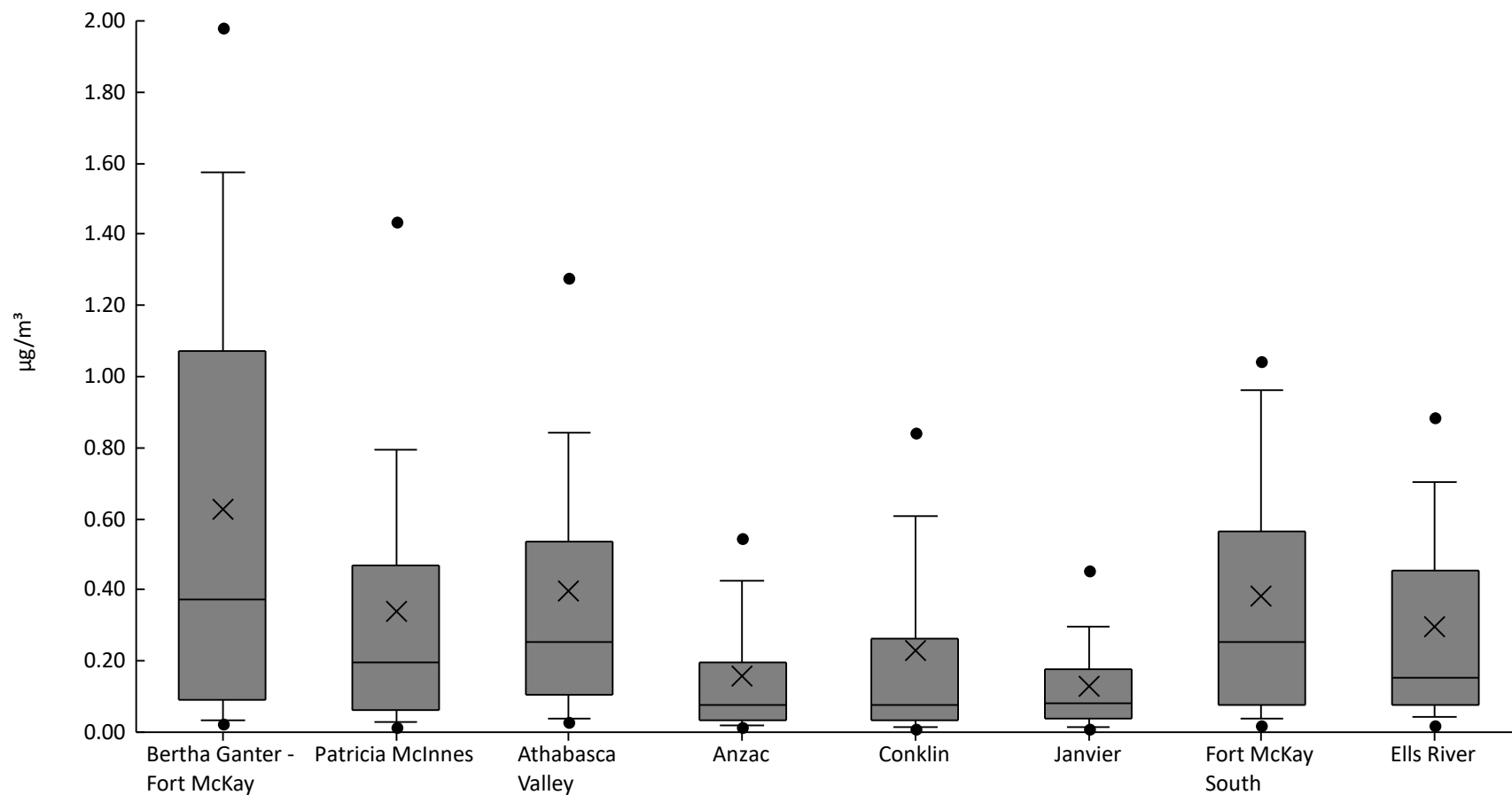
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	3	4.7	5.7	7.8	16	32	49	65	81	23	19
AMS06	Patricia McInnes	60	100%	1	3.3	4.3	5.3	8.6	15	28	37	56	13	11
AMS07	Athabasca Valley	61	100%	2.8	3.8	5	7	11	18	31	33	55	14	10
AMS14	Anzac	61	100%	0.92	2.2	2.6	3.8	5.7	8.7	21	26	45	8.5	8.2
AMS21	Conklin	60	100%	1.2	1.9	3.2	4.3	6.8	13	28	33	83	12	13
AMS22	Janvier	60	100%	1.3	2	2.4	3.8	6.7	9.8	18	27	37	8.5	7.5
AMS13	Fort McKay South	61	100%	1.9	3.3	4.8	6.8	12	29	46	54	73	19	17
AMS30	Ells River	51	100%	2.1	4.1	4.5	6.3	10	27	38	44	57	17	15





Particulate Matter <10µm Tested For Ions - Calcium Ion (µg/m<sup>3</sup>) - 2021

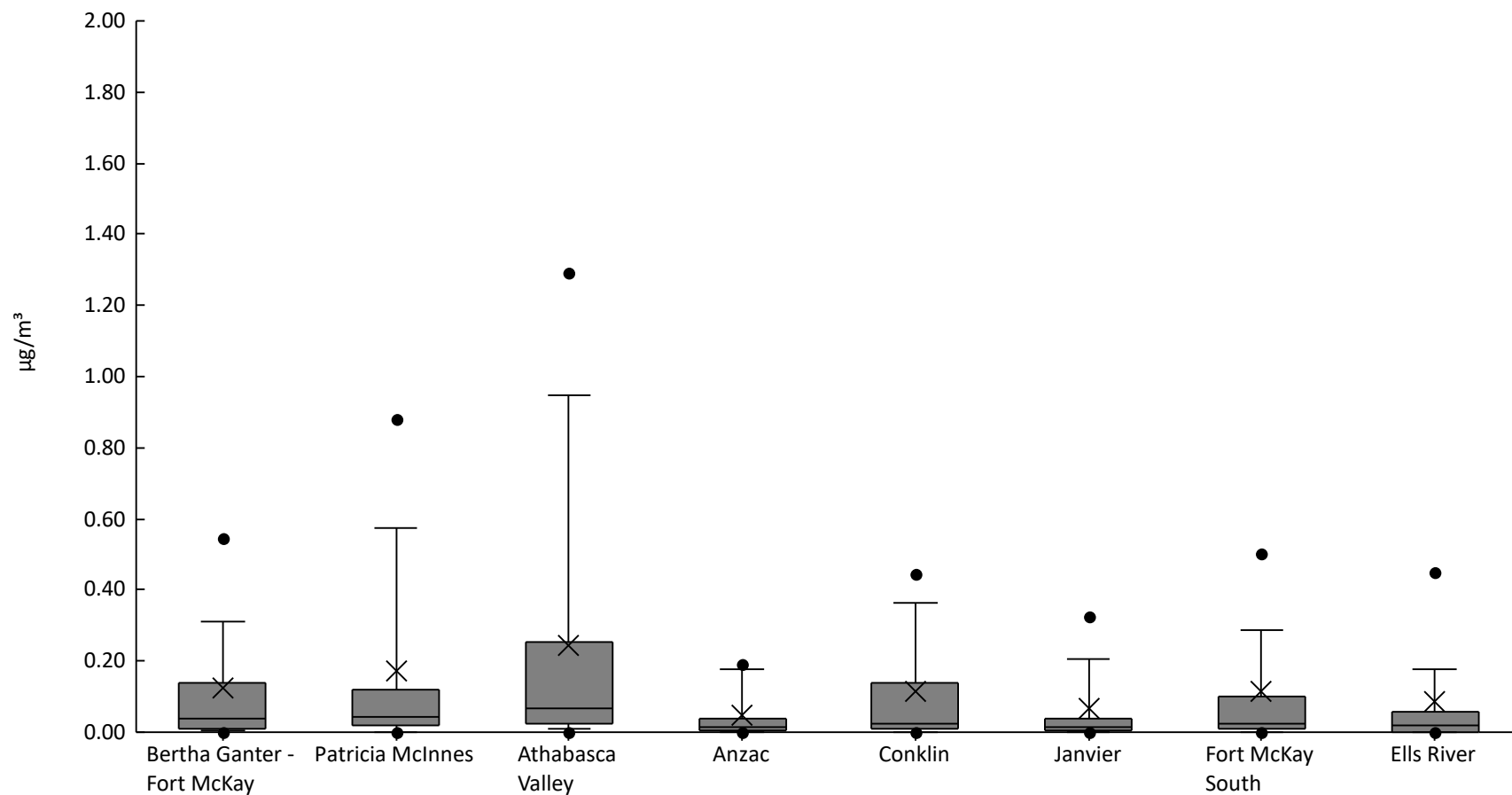
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	0.016	0.022	0.032	0.093	0.37	1.1	1.6	2	2.7	0.63	0.66
AMS06	Patricia McInnes	60	98%	0	0.015	0.027	0.061	0.2	0.47	0.79	1.4	1.8	0.34	0.41
AMS07	Athabasca Valley	61	100%	0.017	0.028	0.038	0.1	0.26	0.54	0.84	1.3	1.8	0.4	0.39
AMS14	Anzac	61	100%	4.7E-3	0.013	0.018	0.034	0.078	0.19	0.42	0.54	1.1	0.16	0.2
AMS21	Conklin	60	100%	5.4E-3	0.011	0.016	0.035	0.075	0.27	0.61	0.84	2	0.23	0.34
AMS22	Janvier	60	100%	4.4E-3	0.01	0.013	0.039	0.083	0.18	0.3	0.46	0.75	0.13	0.14
AMS13	Fort McKay South	61	100%	0.016	0.02	0.037	0.078	0.25	0.56	0.96	1	2.1	0.38	0.4
AMS30	Ells River	51	100%	0.017	0.019	0.042	0.075	0.15	0.46	0.7	0.89	1.9	0.3	0.36





Particulate Matter <10µm Tested For Ions - Chloride Ion (µg/m³) - 2021

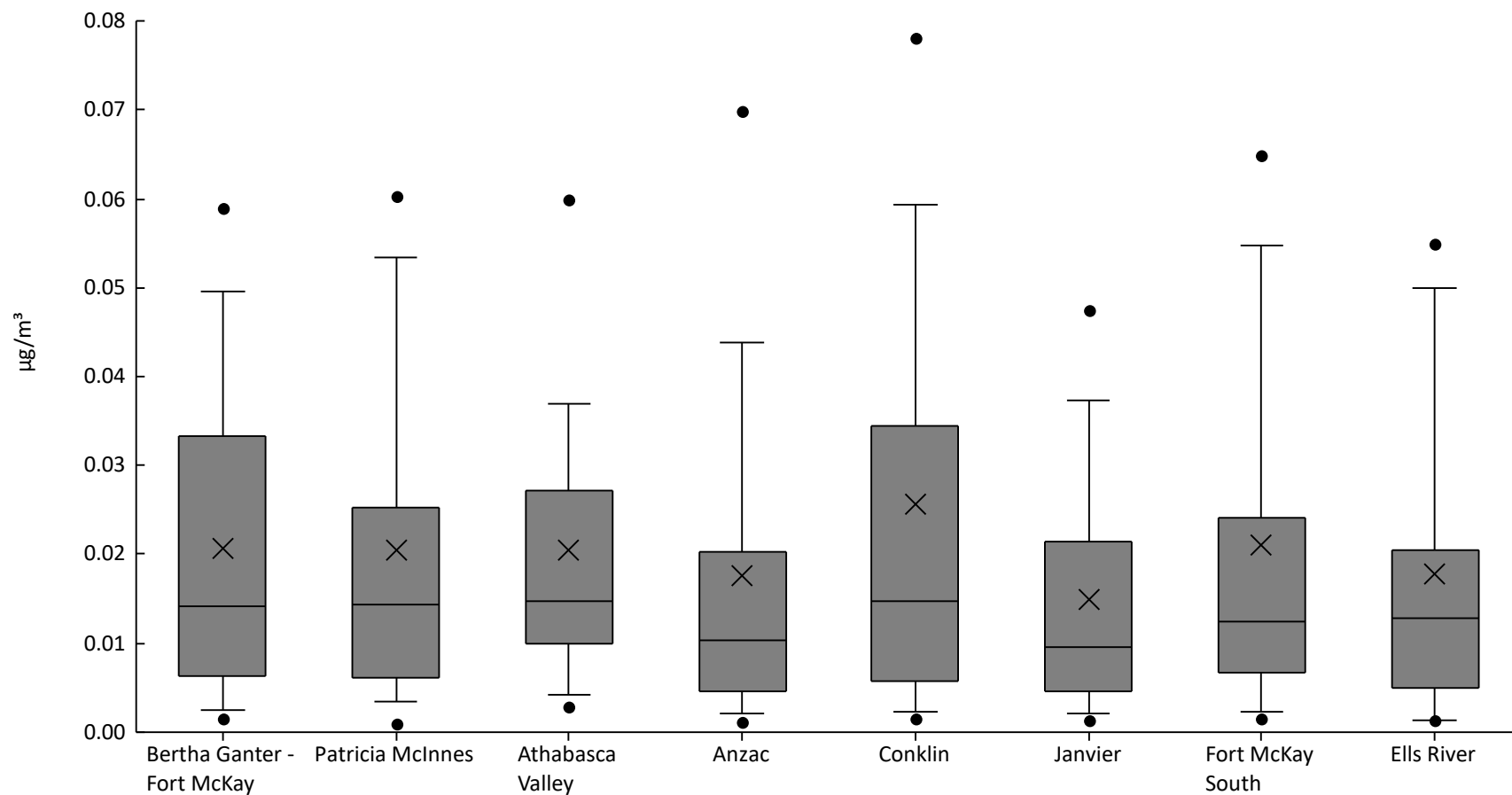
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	93%	0	8.9E-4	2.5E-3	0.011	0.036	0.14	0.31	0.54	1.6	0.13	0.25
AMS06	Patricia McInnes	60	87%	0	2.5E-4	6E-4	0.019	0.042	0.12	0.57	0.88	2	0.17	0.35
AMS07	Athabasca Valley	61	97%	7E-4	2.3E-3	7.3E-3	0.023	0.067	0.26	0.95	1.3	1.9	0.24	0.41
AMS14	Anzac	61	84%	0	1.1E-4	3.2E-4	4.3E-3	0.013	0.04	0.18	0.19	0.62	0.046	0.093
AMS21	Conklin	60	88%	0	3E-4	7.5E-4	8.6E-3	0.025	0.14	0.36	0.45	0.83	0.11	0.18
AMS22	Janvier	60	85%	0	2.5E-4	5E-4	5.6E-3	0.013	0.036	0.21	0.32	1.1	0.068	0.17
AMS13	Fort McKay South	61	84%	0	2E-4	5.2E-4	8.5E-3	0.025	0.099	0.29	0.5	1.7	0.11	0.25
AMS30	Ells River	51	76%	0	1E-5	2.6E-4	1.5E-3	0.018	0.059	0.18	0.45	1.6	0.085	0.24





Particulate Matter <10µm Tested For Ions - Magnesium Ion (µg/m³) - 2021

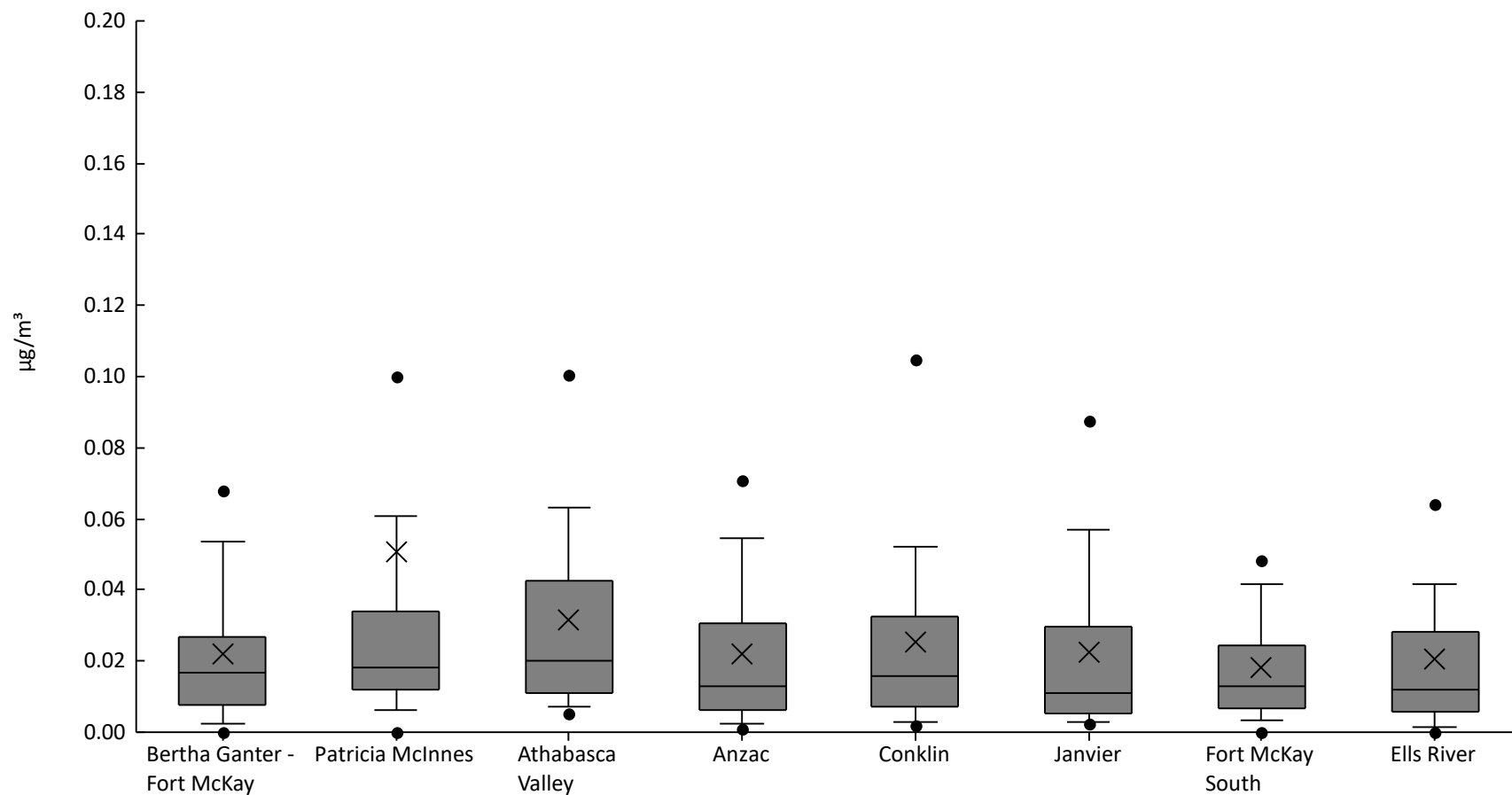
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	1.1E-3	1.6E-3	2.5E-3	6.4E-3	0.014	0.033	0.05	0.059	0.067	0.021	0.019
AMS06	Patricia McInnes	60	97%	0	9.5E-4	3.4E-3	6.2E-3	0.014	0.025	0.053	0.06	0.087	0.021	0.02
AMS07	Athabasca Valley	61	100%	1.6E-3	2.9E-3	4.2E-3	0.01	0.015	0.027	0.037	0.06	0.085	0.02	0.017
AMS14	Anzac	61	100%	4E-4	1.2E-3	2.2E-3	4.7E-3	0.01	0.02	0.044	0.07	0.1	0.018	0.02
AMS21	Conklin	60	98%	0	1.6E-3	2.3E-3	5.8E-3	0.015	0.034	0.059	0.078	0.19	0.026	0.032
AMS22	Janvier	60	100%	1.1E-3	1.4E-3	2.1E-3	4.5E-3	9.6E-3	0.022	0.037	0.047	0.07	0.015	0.015
AMS13	Fort McKay South	61	100%	1.3E-3	1.6E-3	2.2E-3	6.7E-3	0.013	0.024	0.055	0.065	0.11	0.021	0.022
AMS30	Ells River	51	96%	0	1.3E-3	1.4E-3	5E-3	0.013	0.02	0.05	0.055	0.059	0.018	0.017





Particulate Matter <10µm Tested For Ions - Potassium Ion (µg/m³) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	93%	0	0	2.2E-3	7.9E-3	0.017	0.027	0.054	0.068	0.11	0.022	0.022
AMS06	Patricia McInnes	60	93%	0	0	6.3E-3	0.012	0.018	0.034	0.061	0.1	1.4	0.051	0.19
AMS07	Athabasca Valley	61	98%	0	5E-3	7.1E-3	0.011	0.02	0.043	0.063	0.1	0.17	0.032	0.03
AMS14	Anzac	61	97%	0	1.2E-3	2.4E-3	6.4E-3	0.013	0.031	0.055	0.071	0.092	0.022	0.022
AMS21	Conklin	60	97%	0	1.9E-3	2.9E-3	7.1E-3	0.016	0.032	0.052	0.11	0.13	0.025	0.03
AMS22	Janvier	60	100%	8E-4	2.6E-3	3E-3	5.1E-3	0.011	0.03	0.057	0.088	0.14	0.023	0.028
AMS13	Fort McKay South	61	93%	0	0	3.2E-3	6.7E-3	0.013	0.025	0.042	0.048	0.092	0.018	0.018
AMS30	Ells River	51	92%	0	0	1.6E-3	5.7E-3	0.012	0.028	0.041	0.064	0.15	0.021	0.026

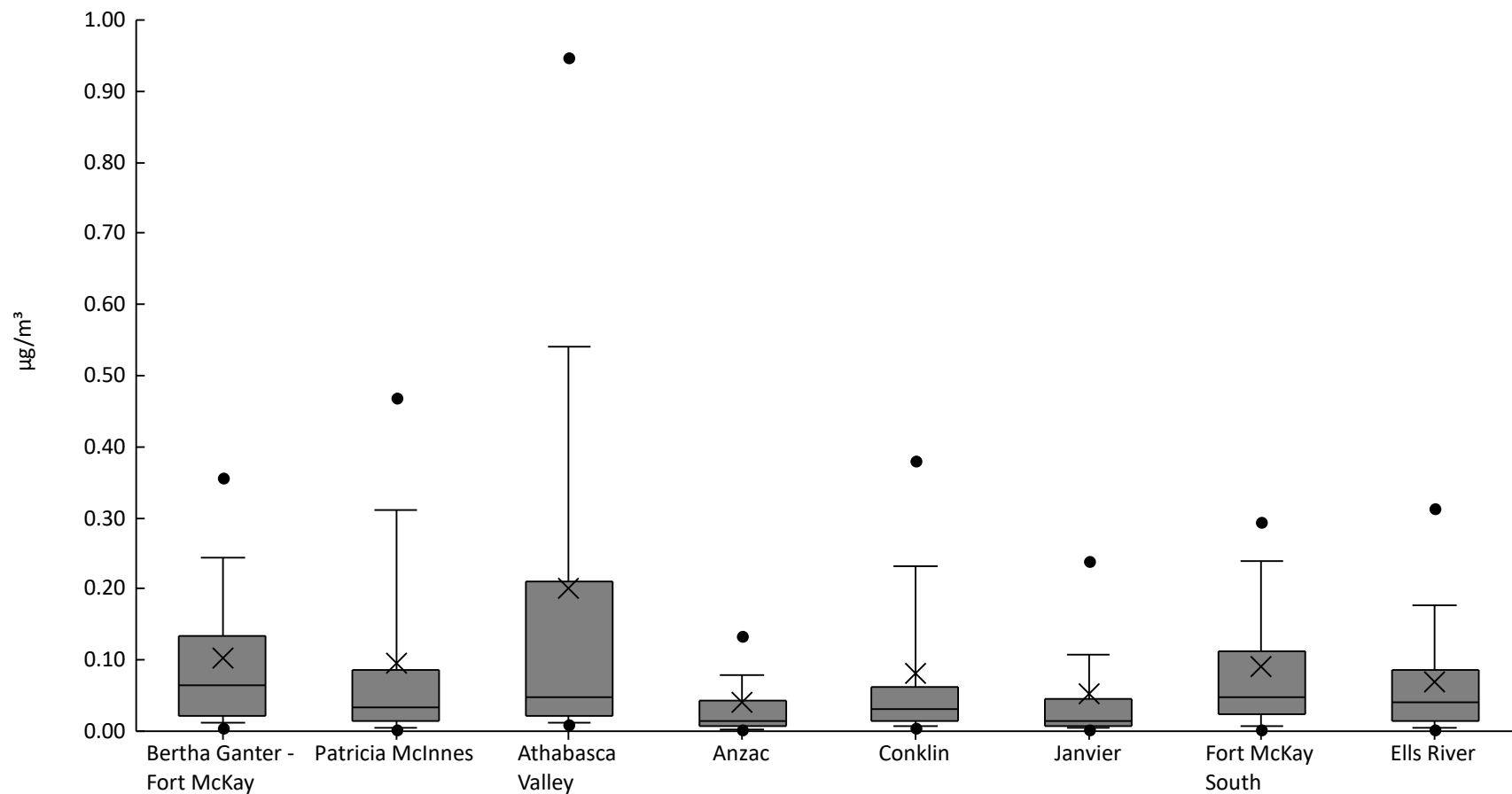






Particulate Matter <10µm Tested For Ions - Sodium Ion (µg/m³) - 2021

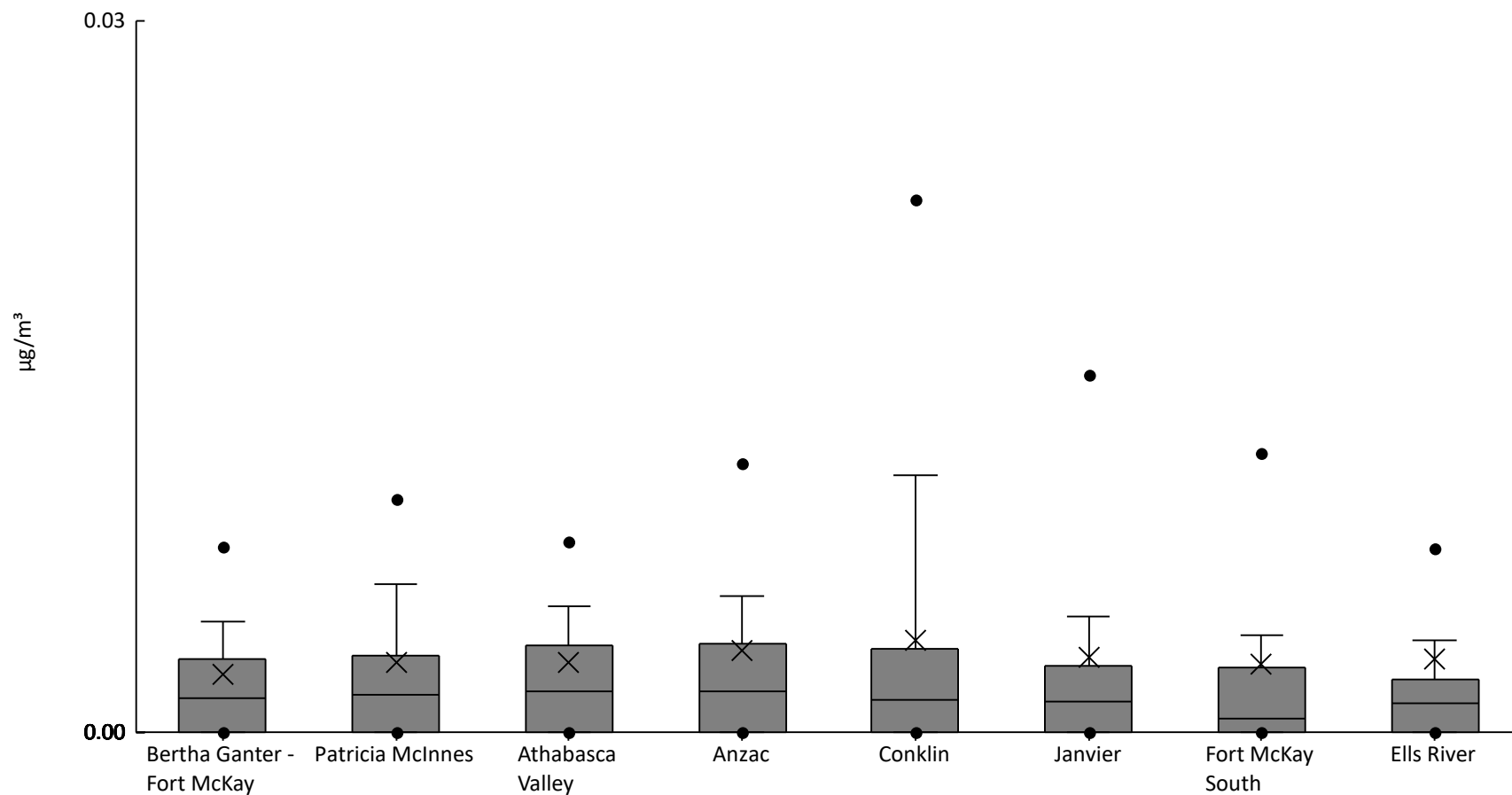
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	1.5E-3	5.6E-3	0.011	0.023	0.065	0.13	0.24	0.36	0.54	0.1	0.12
AMS06	Patricia McInnes	60	100%	1.2E-3	3.2E-3	4.5E-3	0.015	0.033	0.086	0.31	0.47	0.86	0.096	0.16
AMS07	Athabasca Valley	61	100%	8E-3	9.1E-3	0.011	0.022	0.049	0.21	0.54	0.95	2.2	0.2	0.39
AMS14	Anzac	61	100%	1.7E-3	2.5E-3	3.4E-3	7.6E-3	0.014	0.043	0.08	0.14	0.52	0.04	0.079
AMS21	Conklin	60	100%	3.2E-3	3.9E-3	6.7E-3	0.014	0.032	0.061	0.23	0.38	0.57	0.08	0.13
AMS22	Janvier	60	100%	2E-3	2.4E-3	3.6E-3	6.6E-3	0.013	0.045	0.11	0.24	0.73	0.053	0.12
AMS13	Fort McKay South	61	100%	2.2E-3	3.4E-3	6.2E-3	0.024	0.047	0.11	0.24	0.29	0.63	0.091	0.11
AMS30	Ells River	51	100%	2.5E-3	2.9E-3	5.5E-3	0.014	0.04	0.086	0.18	0.31	0.38	0.069	0.085





Particulate Matter <10µm Tested For Ions - Fluoride Ion (µg/m³) - 2021

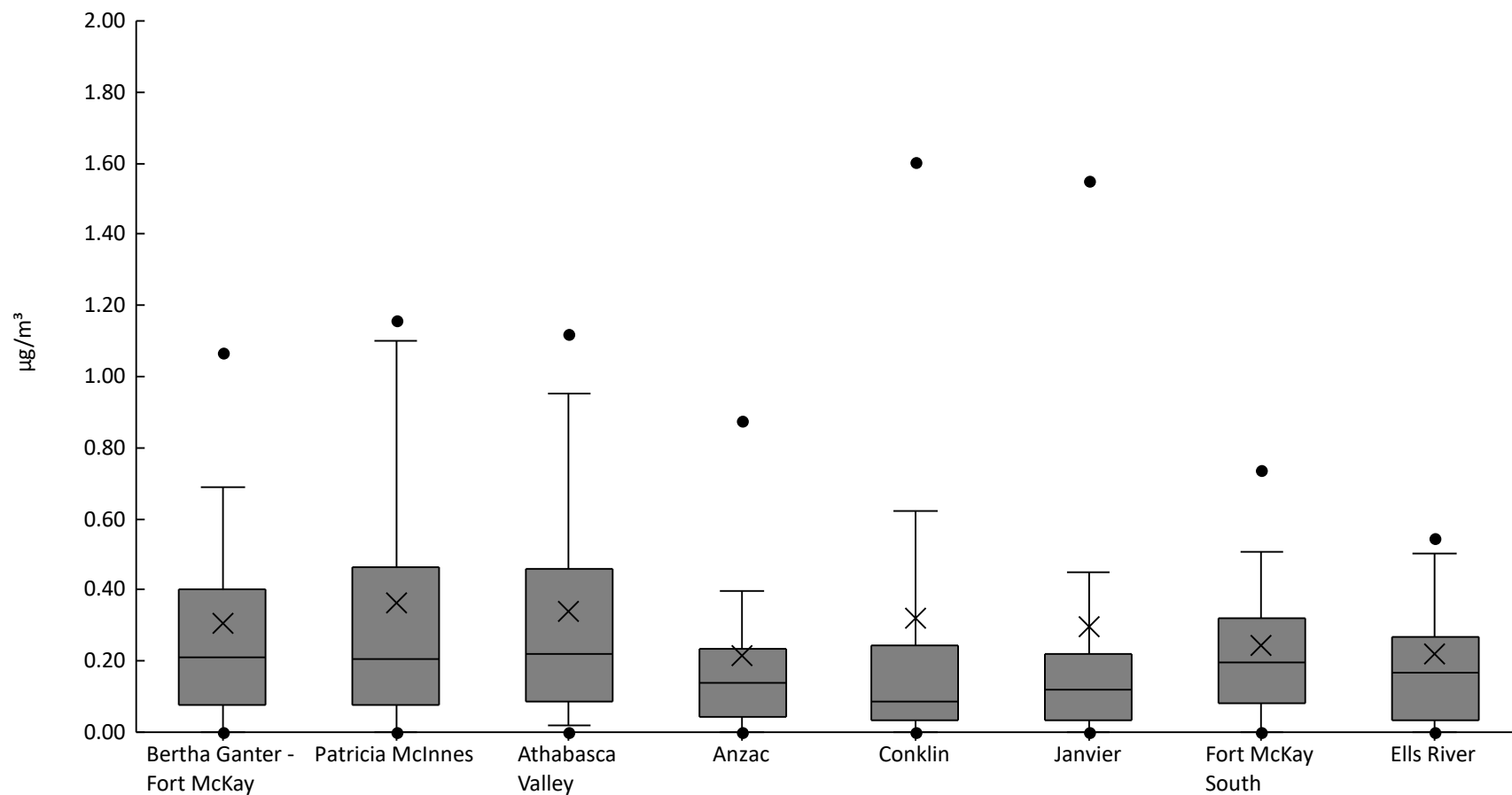
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	69%	0	0	0	0	1.4E-3	3.1E-3	4.7E-3	7.8E-3	0.029	2.5E-3	4.3E-3
AMS06	Patricia McInnes	60	63%	0	0	0	0	1.6E-3	3.3E-3	6.3E-3	9.8E-3	0.031	3E-3	5.5E-3
AMS07	Athabasca Valley	61	67%	0	0	0	0	1.7E-3	3.7E-3	5.3E-3	8E-3	0.043	2.9E-3	5.8E-3
AMS14	Anzac	61	62%	0	0	0	0	1.7E-3	3.7E-3	5.8E-3	0.011	0.044	3.4E-3	7.4E-3
AMS21	Conklin	60	72%	0	0	0	0	1.4E-3	3.5E-3	0.011	0.023	0.037	3.9E-3	7.3E-3
AMS22	Janvier	60	67%	0	0	0	0	1.3E-3	2.8E-3	4.9E-3	0.015	0.045	3.1E-3	7.1E-3
AMS13	Fort McKay South	61	62%	0	0	0	0	6E-4	2.7E-3	4.1E-3	0.012	0.048	2.8E-3	7.6E-3
AMS30	Ells River	51	69%	0	0	0	0	1.2E-3	2.2E-3	3.9E-3	7.8E-3	0.057	3.1E-3	8.7E-3





Particulate Matter <10µm Tested For Ions - Nitrate Ion (µg/m³) - 2021

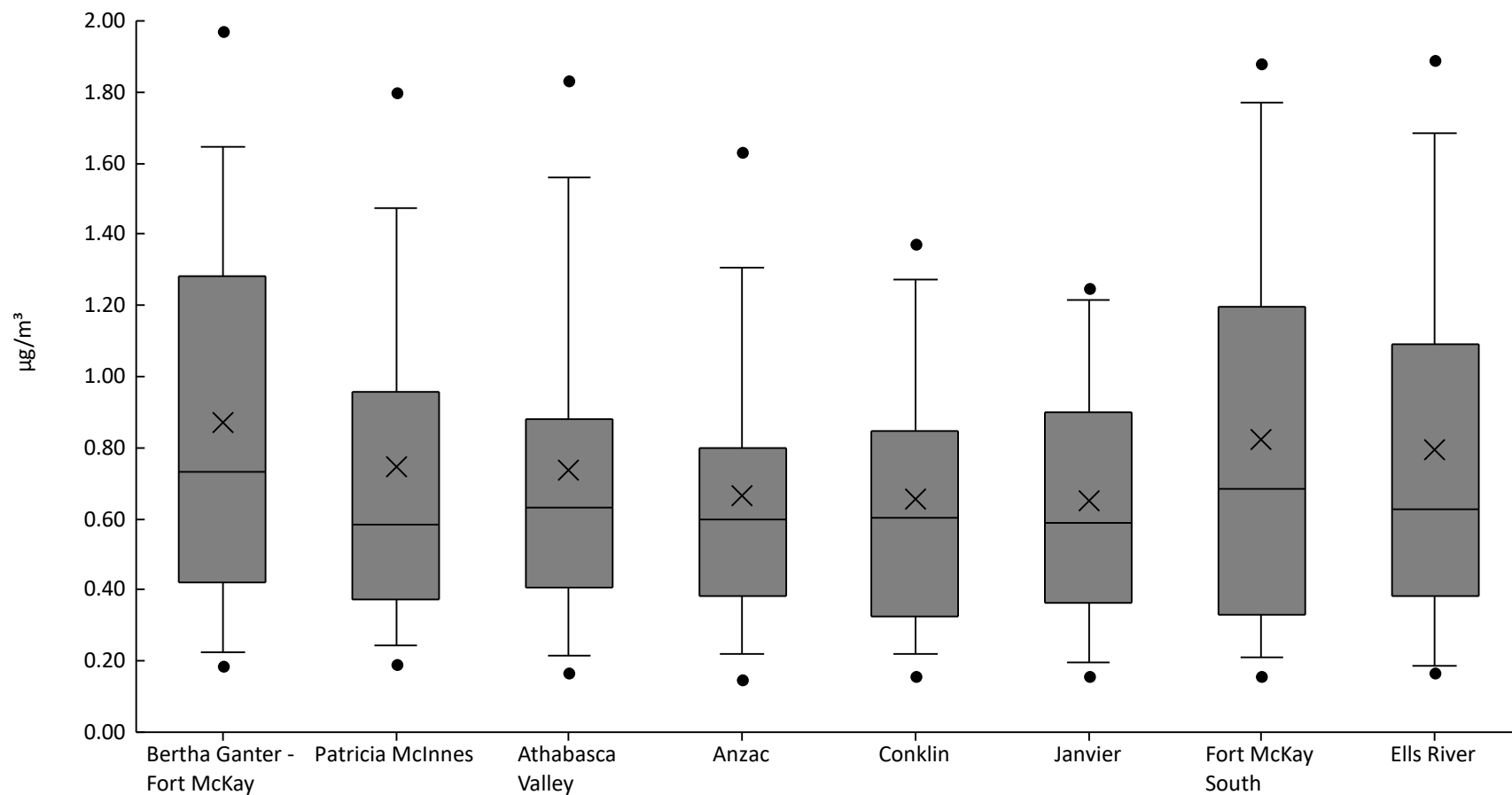
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	89%	0	0	0	0.077	0.21	0.4	0.69	1.1	1.9	0.31	0.35
AMS06	Patricia McInnes	60	90%	0	0	1.7E-3	0.077	0.21	0.46	1.1	1.2	1.6	0.37	0.4
AMS07	Athabasca Valley	61	93%	0	0	0.021	0.088	0.22	0.46	0.95	1.1	1.5	0.34	0.36
AMS14	Anzac	61	85%	0	0	0	0.042	0.14	0.23	0.4	0.88	2	0.22	0.33
AMS21	Conklin	60	85%	0	0	0	0.035	0.087	0.25	0.62	1.6	4.8	0.32	0.74
AMS22	Janvier	60	87%	0	0	0	0.034	0.12	0.22	0.45	1.6	4.1	0.3	0.7
AMS13	Fort McKay South	61	89%	0	0	0	0.083	0.2	0.32	0.51	0.74	1.5	0.24	0.25
AMS30	Ells River	51	78%	0	0	0	0.034	0.17	0.27	0.5	0.55	2	0.22	0.31





Particulate Matter <10µm Tested For Ions - Sulphate Ion (µg/m³) - 2021

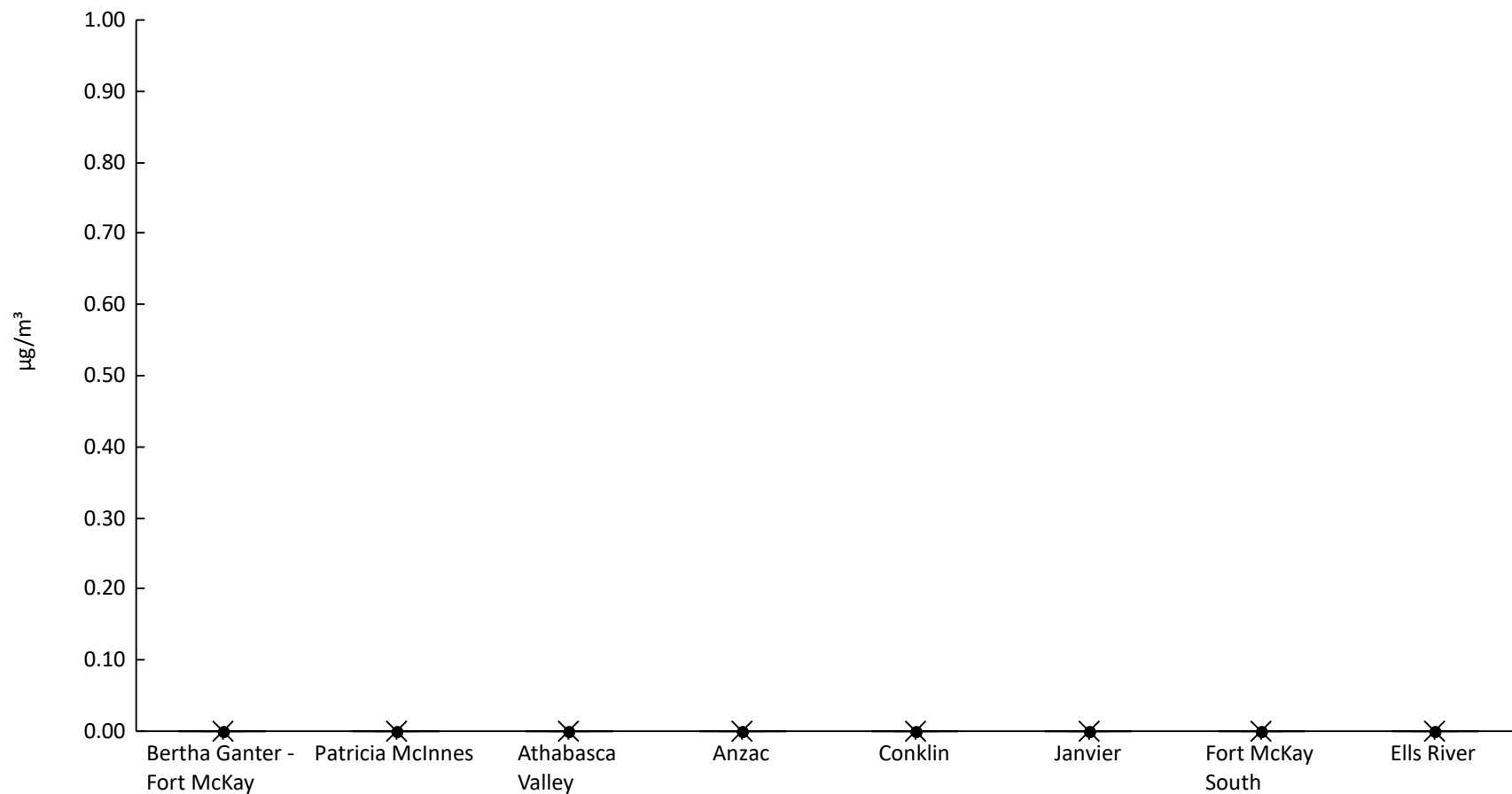
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	0.13	0.19	0.23	0.42	0.73	1.3	1.6	2	2.4	0.87	0.57
AMS06	Patricia McInnes	60	100%	0.067	0.19	0.24	0.37	0.58	0.96	1.5	1.8	2.4	0.75	0.51
AMS07	Athabasca Valley	61	100%	0.09	0.17	0.22	0.41	0.63	0.88	1.6	1.8	2	0.73	0.49
AMS14	Anzac	61	100%	0.08	0.15	0.22	0.38	0.6	0.8	1.3	1.6	1.9	0.66	0.41
AMS21	Conklin	60	100%	0.037	0.16	0.22	0.33	0.6	0.85	1.3	1.4	2.2	0.65	0.42
AMS22	Janvier	60	100%	0.07	0.16	0.2	0.36	0.59	0.9	1.2	1.3	1.7	0.65	0.36
AMS13	Fort McKay South	61	100%	0.12	0.16	0.21	0.33	0.69	1.2	1.8	1.9	2.4	0.83	0.59
AMS30	Ells River	51	100%	0.12	0.17	0.19	0.39	0.63	1.1	1.7	1.9	2.5	0.79	0.58





Particulate Matter <10µm Tested For Ions - Phosphate Ion (µg/m<sup>3</sup>) - 2021

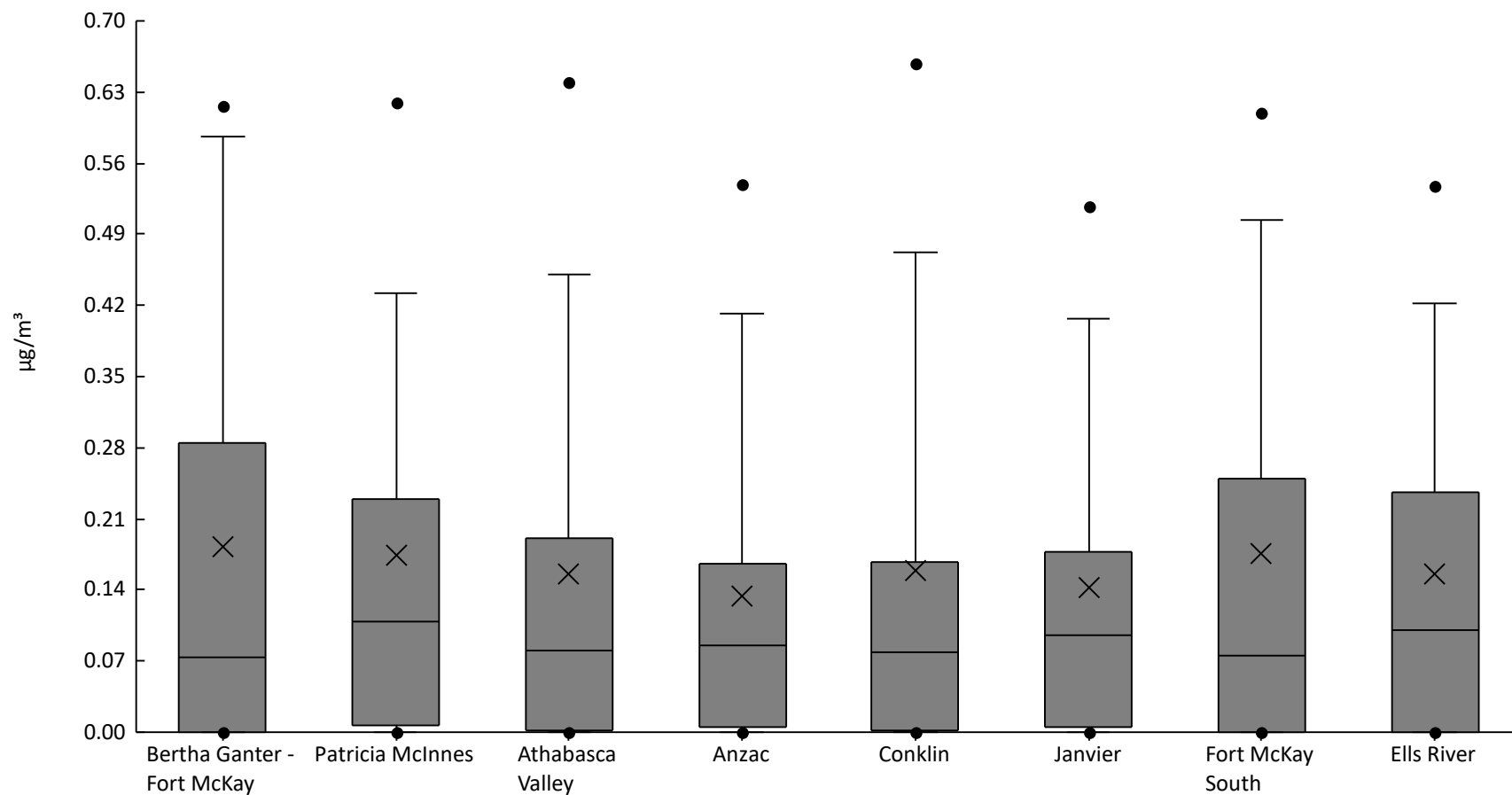
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS06	Patricia McInnes	60	0%	0	0	0	0	0	0	0	0	0	0	0
AMS07	Athabasca Valley	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS14	Anzac	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS21	Conklin	60	0%	0	0	0	0	0	0	0	0	0	0	0
AMS22	Janvier	60	0%	0	0	0	0	0	0	0	0	0	0	0
AMS13	Fort McKay South	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS30	Ells River	51	0%	0	0	0	0	0	0	0	0	0	0	0





Particulate Matter <10µm Tested For Ions - Ammonium Ion (µg/m³) - 2021

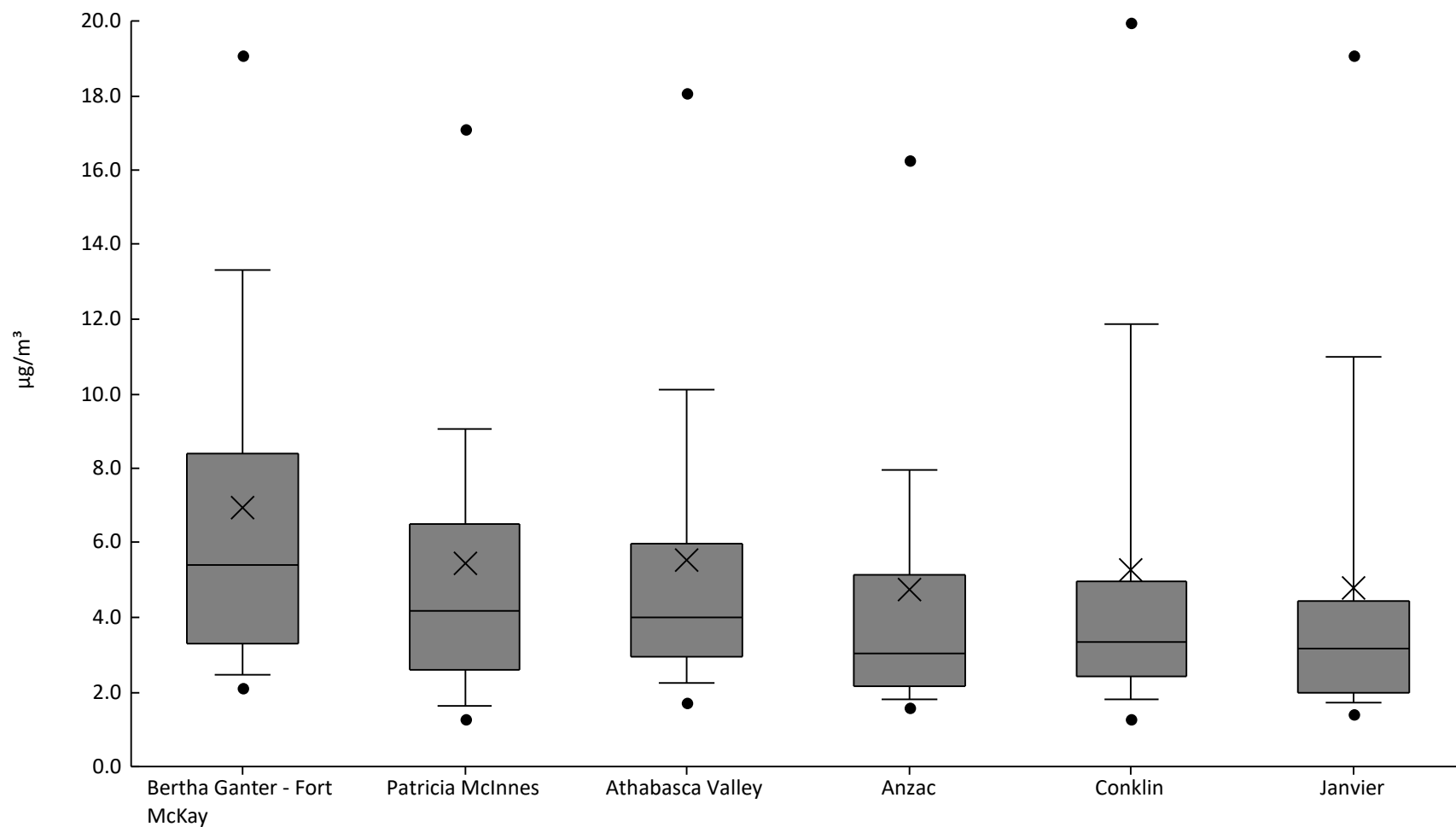
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	75%	0	0	0	1.5E-4	0.073	0.29	0.59	0.62	1.2	0.18	0.24
AMS06	Patricia McInnes	60	80%	0	0	0	7E-3	0.11	0.23	0.43	0.62	1.1	0.17	0.22
AMS07	Athabasca Valley	61	80%	0	0	0	1.5E-3	0.081	0.19	0.45	0.64	0.91	0.16	0.21
AMS14	Anzac	61	82%	0	0	0	5.5E-3	0.086	0.17	0.41	0.54	0.74	0.13	0.17
AMS21	Conklin	60	83%	0	0	0	1.6E-3	0.079	0.17	0.47	0.66	1.5	0.16	0.25
AMS22	Janvier	60	87%	0	0	0	5.1E-3	0.095	0.18	0.41	0.52	0.94	0.14	0.18
AMS13	Fort McKay South	61	70%	0	0	0	0	0.076	0.25	0.5	0.61	1.6	0.18	0.26
AMS30	Ells River	51	69%	0	0	0	0	0.1	0.24	0.42	0.54	1.1	0.16	0.23





Particulate Matter <2.5µm Tested For Elements - Particulate Matter (µg/m³) - 2021

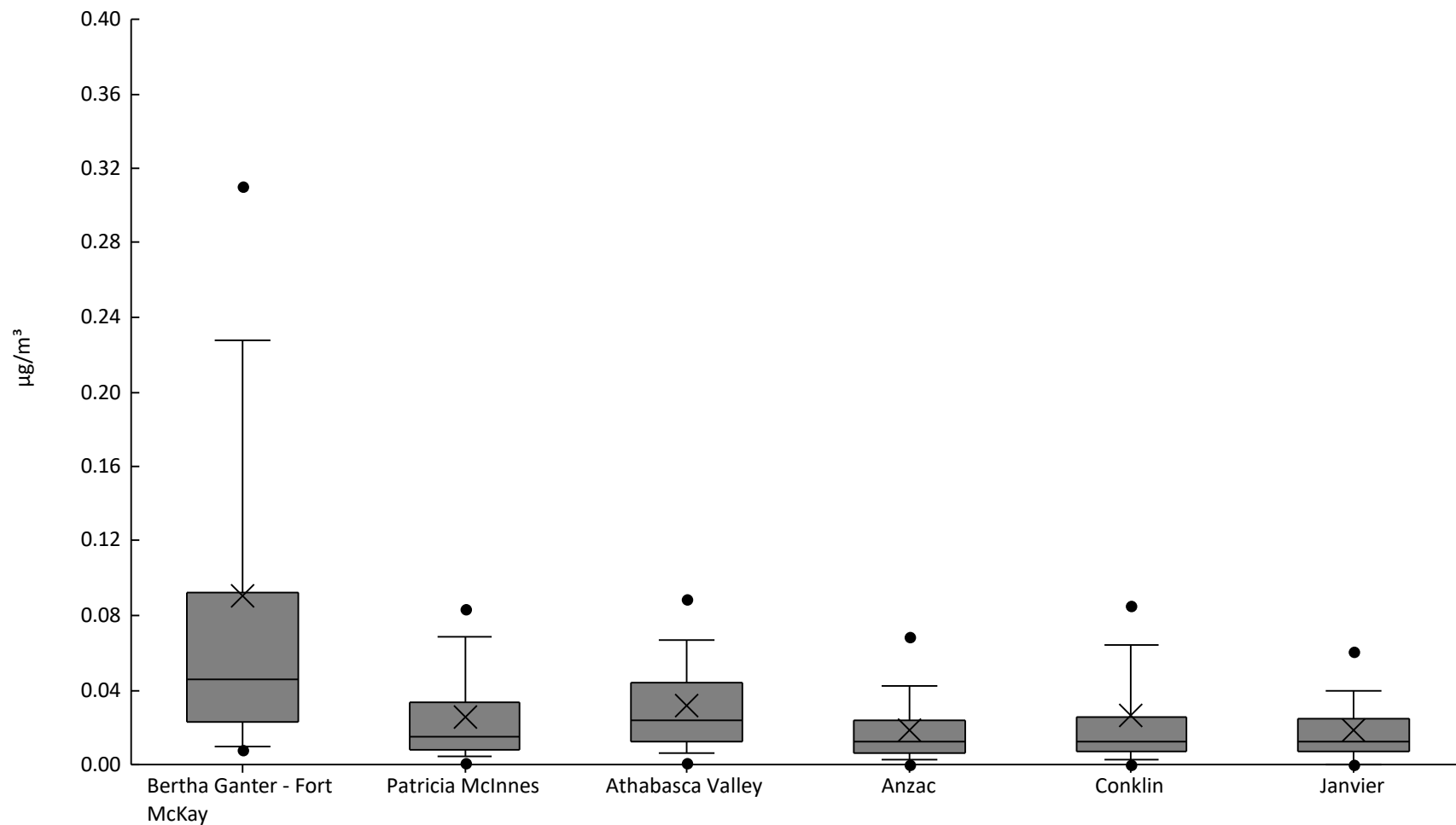
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	1.5	2.1	2.5	3.3	5.4	8.4	13	19	34	6.9	5.8
AMS06	Patricia McInnes	61	100%	0.92	1.3	1.6	2.6	4.2	6.5	9	17	27	5.4	4.9
AMS07	Athabasca Valley	58	100%	0.96	1.7	2.2	3	4	6	10	18	25	5.5	4.8
AMS14	Anzac	60	100%	0.63	1.6	1.8	2.1	3	5.1	8	16	26	4.8	5.1
AMS21	Conklin	61	100%	0.79	1.3	1.8	2.4	3.3	4.9	12	20	27	5.3	5.5
AMS22	Janvier	57	100%	0.46	1.4	1.7	2	3.2	4.4	11	19	23	4.8	5





Particulate Matter <2.5µm Tested For Elements - Aluminum (µg/m<sup>3</sup>) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	8.1E-3	9.9E-3	0.023	0.046	0.093	0.23	0.31	0.75	0.09	0.13
AMS06	Patricia McInnes	61	93%	0	1.1E-3	4.1E-3	8.2E-3	0.015	0.033	0.068	0.083	0.13	0.025	0.028
AMS07	Athabasca Valley	58	93%	0	1.1E-3	6.6E-3	0.012	0.024	0.044	0.067	0.089	0.14	0.032	0.029
AMS14	Anzac	60	90%	0	0	2.4E-3	6.6E-3	0.012	0.024	0.042	0.069	0.092	0.019	0.02
AMS21	Conklin	61	90%	0	8.1E-5	2.9E-3	7.4E-3	0.012	0.026	0.064	0.085	0.34	0.027	0.047
AMS22	Janvier	57	88%	0	0	3.9E-4	6.9E-3	0.013	0.024	0.04	0.061	0.093	0.019	0.019

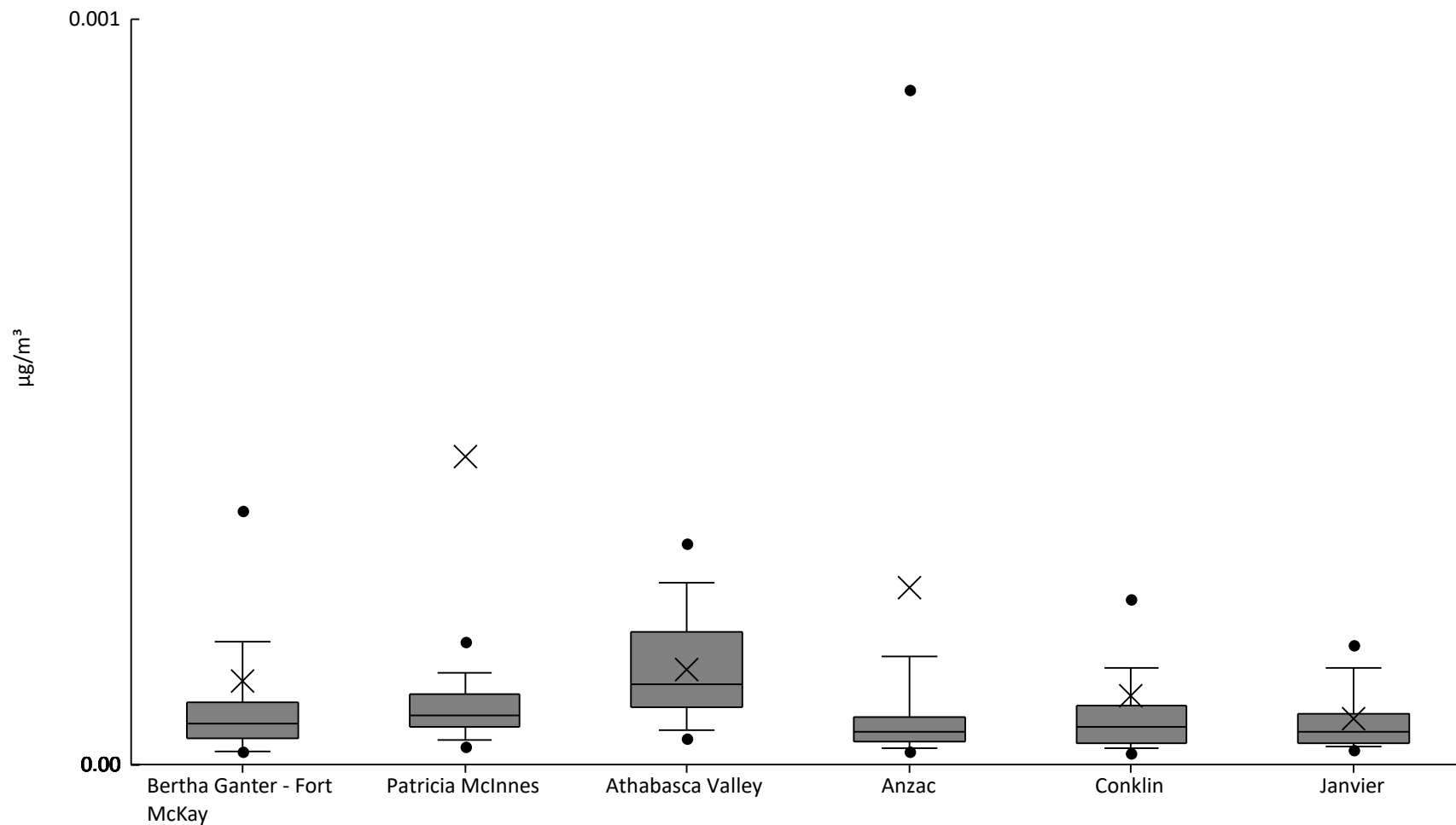






Particulate Matter <2.5µm Tested For Elements - Antimony (µg/m³) - 2021

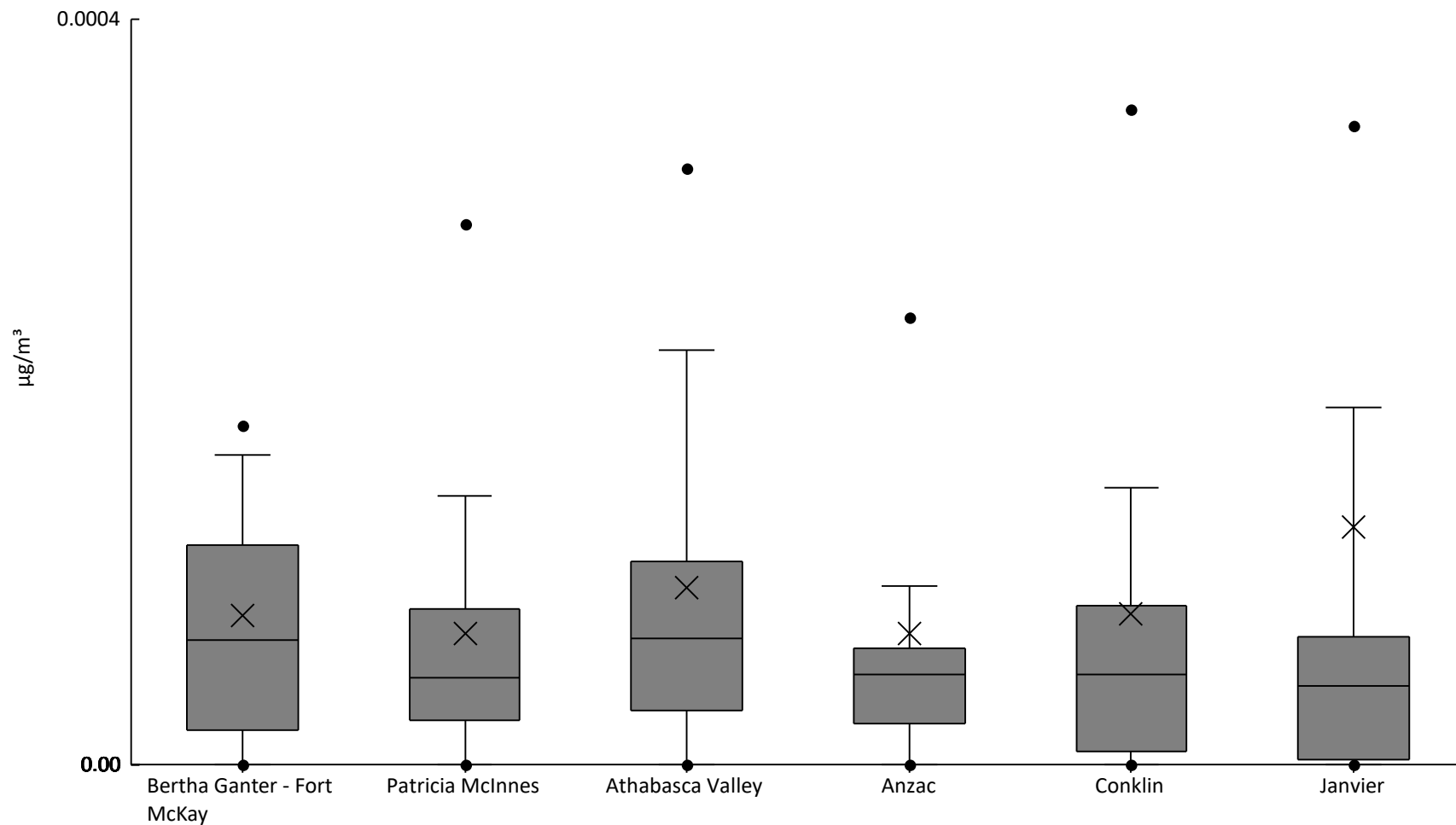
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	1.6E-5	1.7E-5	1.8E-5	3.5E-5	5.6E-5	8.4E-5	1.6E-4	3.4E-4	1.3E-3	1.1E-4	2.3E-4
AMS06	Patricia McInnes	61	100%	1.7E-5	2.5E-5	3.3E-5	5.1E-5	6.5E-5	9.5E-5	1.2E-4	1.7E-4	0.021	4.1E-4	2.6E-3
AMS07	Athabasca Valley	58	100%	3.1E-5	3.5E-5	4.6E-5	7.7E-5	1.1E-4	1.8E-4	2.4E-4	3E-4	3.2E-4	1.3E-4	7.3E-5
AMS14	Anzac	60	97%	1.3E-5	1.8E-5	2.3E-5	3.1E-5	4.4E-5	6.3E-5	1.5E-4	9.1E-4	4.8E-3	2.4E-4	8.5E-4
AMS21	Conklin	61	97%	1.3E-5	1.6E-5	2.1E-5	2.9E-5	5E-5	7.9E-5	1.3E-4	2.2E-4	1.4E-3	9.3E-5	1.9E-4
AMS22	Janvier	57	98%	1.5E-5	2E-5	2.5E-5	2.9E-5	4.5E-5	6.9E-5	1.3E-4	1.6E-4	3.9E-4	6.1E-5	5.8E-5





Particulate Matter <2.5µm Tested For Elements - Arsenic (µg/m³) - 2021

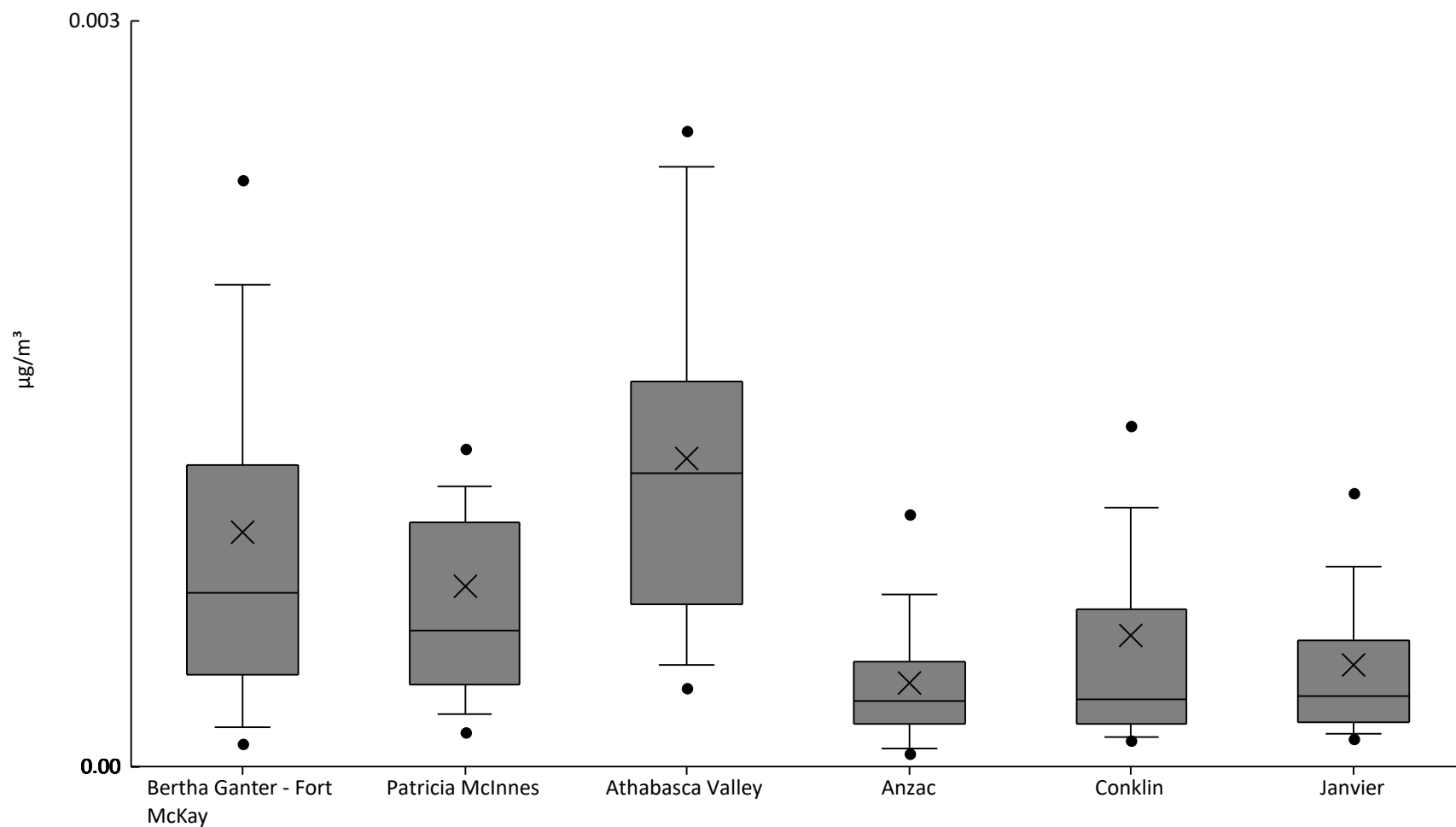
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	84%	0	0	0	1.9E-5	6.7E-5	1.2E-4	1.7E-4	1.8E-4	4.7E-4	8E-5	7.8E-5
AMS06	Patricia McInnes	61	82%	0	0	0	2.4E-5	4.7E-5	8.3E-5	1.4E-4	2.9E-4	4E-4	7E-5	8.5E-5
AMS07	Athabasca Valley	58	83%	0	0	0	2.9E-5	6.8E-5	1.1E-4	2.2E-4	3.2E-4	6.3E-4	9.5E-5	1.1E-4
AMS14	Anzac	60	82%	0	0	0	2.2E-5	4.9E-5	6.3E-5	9.6E-5	2.4E-4	8.4E-4	7E-5	1.2E-4
AMS21	Conklin	61	77%	0	0	0	6.8E-6	4.8E-5	8.5E-5	1.5E-4	3.5E-4	6.6E-4	8.1E-5	1.3E-4
AMS22	Janvier	57	72%	0	0	0	3E-6	4.2E-5	6.9E-5	1.9E-4	3.4E-4	3.6E-3	1.3E-4	4.7E-4





Particulate Matter <2.5µm Tested For Elements - Barium (µg/m³) - 2021

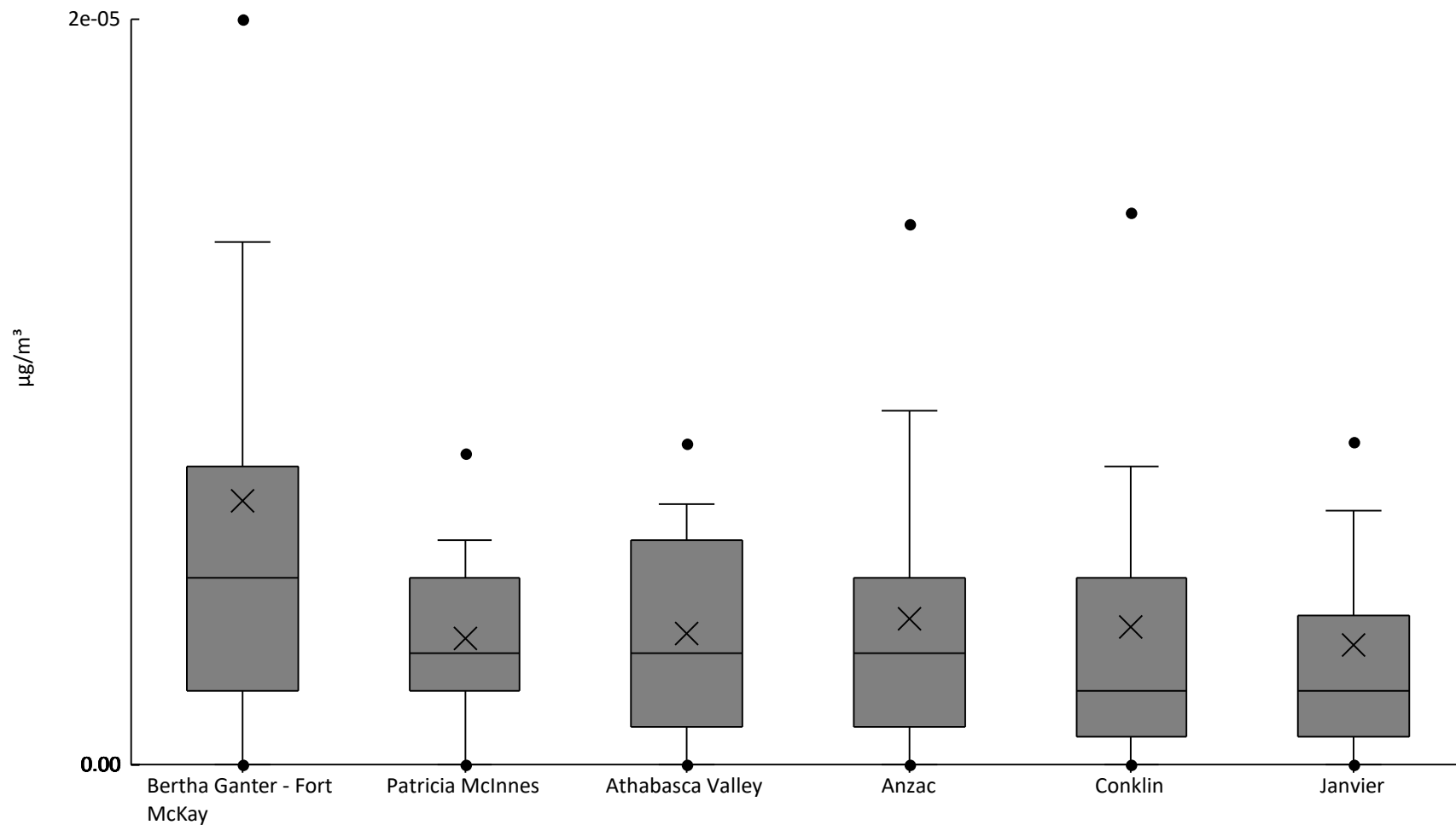
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	3.7E-5	9.5E-5	1.6E-4	3.7E-4	7E-4	1.2E-3	1.9E-3	2.4E-3	5.7E-3	9.4E-4	9.7E-4
AMS06	Patricia McInnes	61	100%	7.5E-5	1.4E-4	2.1E-4	3.3E-4	5.5E-4	9.8E-4	1.1E-3	1.3E-3	7.5E-3	7.2E-4	9.6E-4
AMS07	Athabasca Valley	58	100%	2.4E-4	3.2E-4	4.1E-4	6.6E-4	1.2E-3	1.6E-3	2.4E-3	2.6E-3	3.2E-3	1.2E-3	7.3E-4
AMS14	Anzac	60	97%	0	5.5E-5	7.5E-5	1.7E-4	2.7E-4	4.2E-4	6.9E-4	1E-3	1.3E-3	3.4E-4	2.7E-4
AMS21	Conklin	61	100%	5.9E-5	1E-4	1.2E-4	1.7E-4	2.7E-4	6.3E-4	1E-3	1.4E-3	4E-3	5.2E-4	6.9E-4
AMS22	Janvier	57	100%	8E-5	1.1E-4	1.3E-4	1.8E-4	2.8E-4	5.1E-4	8E-4	1.1E-3	2.4E-3	4.1E-4	3.7E-4





Particulate Matter <2.5µm Tested For Elements - Beryllium (µg/m³) - 2021

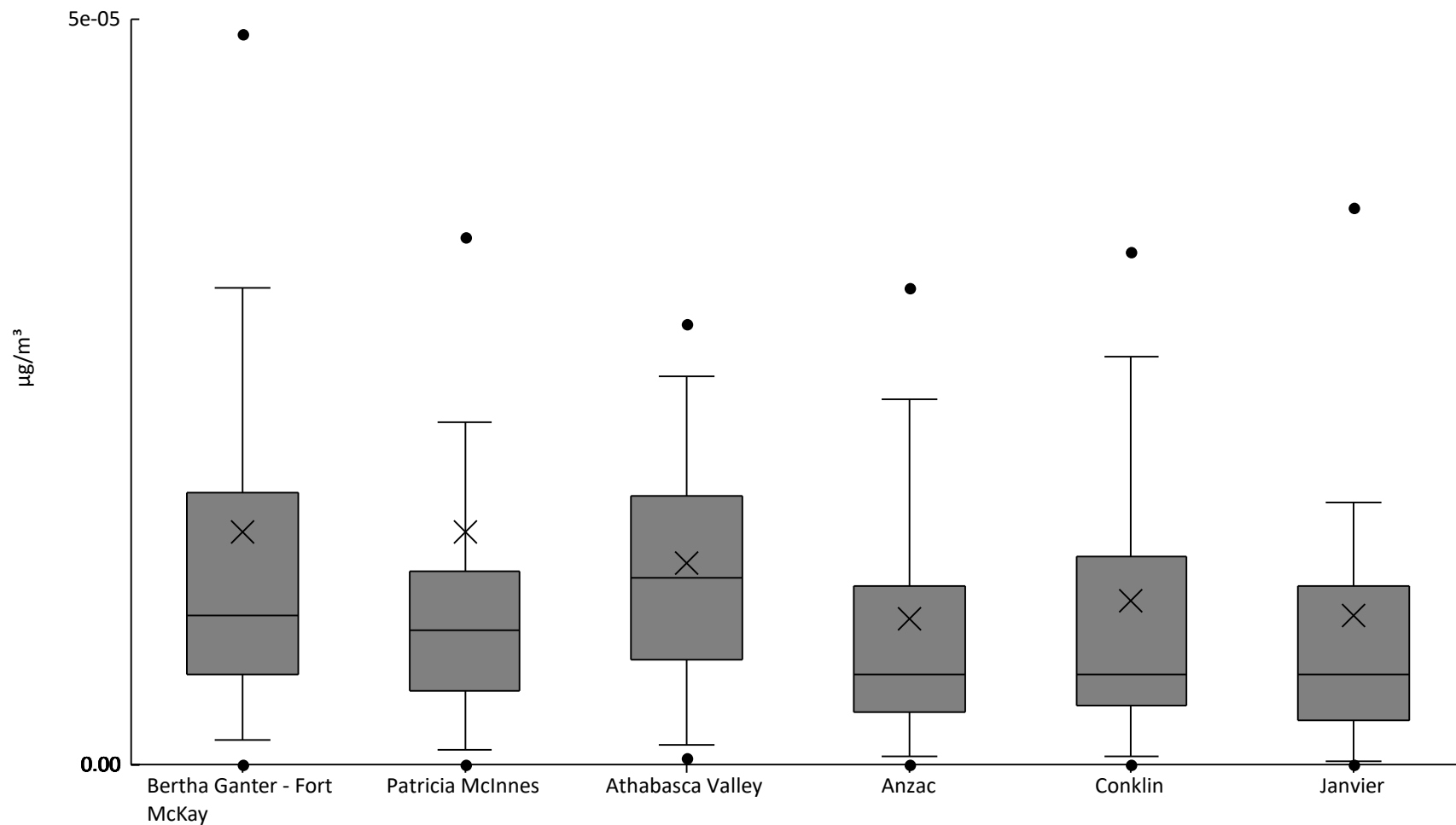
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	11%	0	0	0	2E-6	5E-6	8E-6	1.4E-5	2E-5	5.3E-5	7.1E-6	8.8E-6
AMS06	Patricia McInnes	61	0%	0	0	0	2E-6	3E-6	5E-6	6E-6	8.3E-6	1.3E-5	3.4E-6	2.7E-6
AMS07	Athabasca Valley	58	0%	0	0	0	1E-6	3E-6	6E-6	7E-6	8.6E-6	1.1E-5	3.5E-6	2.8E-6
AMS14	Anzac	60	7%	0	0	0	1E-6	3E-6	5E-6	9.5E-6	1.5E-5	1.6E-5	3.9E-6	4.1E-6
AMS21	Conklin	61	5%	0	0	0	7.5E-7	2E-6	5E-6	8E-6	1.5E-5	2.4E-5	3.7E-6	4.8E-6
AMS22	Janvier	57	4%	0	0	0	7.5E-7	2E-6	4E-6	6.8E-6	8.7E-6	2.3E-5	3.2E-6	4E-6





Particulate Matter <2.5µm Tested For Elements - Bismuth (µg/m³) - 2021

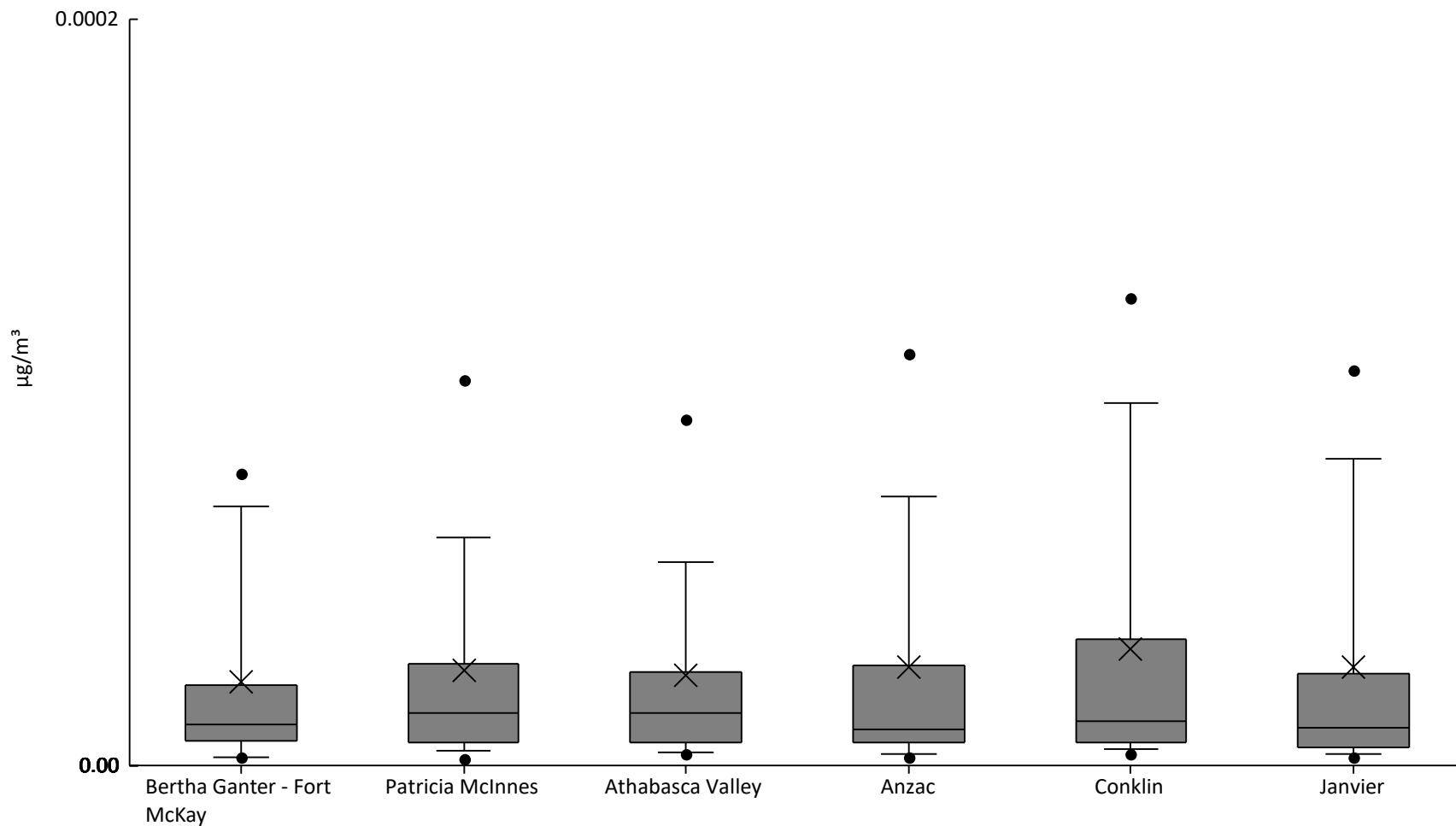
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	82%	0	0	1.6E-6	6E-6	1E-5	1.8E-5	3.2E-5	4.9E-5	1.2E-4	1.6E-5	1.8E-5
AMS06	Patricia McInnes	61	80%	0	0	1E-6	5E-6	9E-6	1.3E-5	2.3E-5	3.5E-5	2.8E-4	1.6E-5	3.7E-5
AMS07	Athabasca Valley	58	83%	0	4E-7	1.3E-6	7E-6	1.3E-5	1.8E-5	2.6E-5	3E-5	5.6E-5	1.4E-5	1E-5
AMS14	Anzac	60	65%	0	0	5E-7	3.5E-6	6E-6	1.2E-5	2.5E-5	3.2E-5	5.1E-5	9.8E-6	1.1E-5
AMS21	Conklin	61	70%	0	0	6E-7	4E-6	6E-6	1.4E-5	2.7E-5	3.4E-5	9.3E-5	1.1E-5	1.4E-5
AMS22	Janvier	57	63%	0	0	2E-7	3E-6	6E-6	1.2E-5	1.8E-5	3.7E-5	8.9E-5	9.9E-6	1.5E-5





Particulate Matter <2.5µm Tested For Elements - Cadmium (µg/m³) - 2021

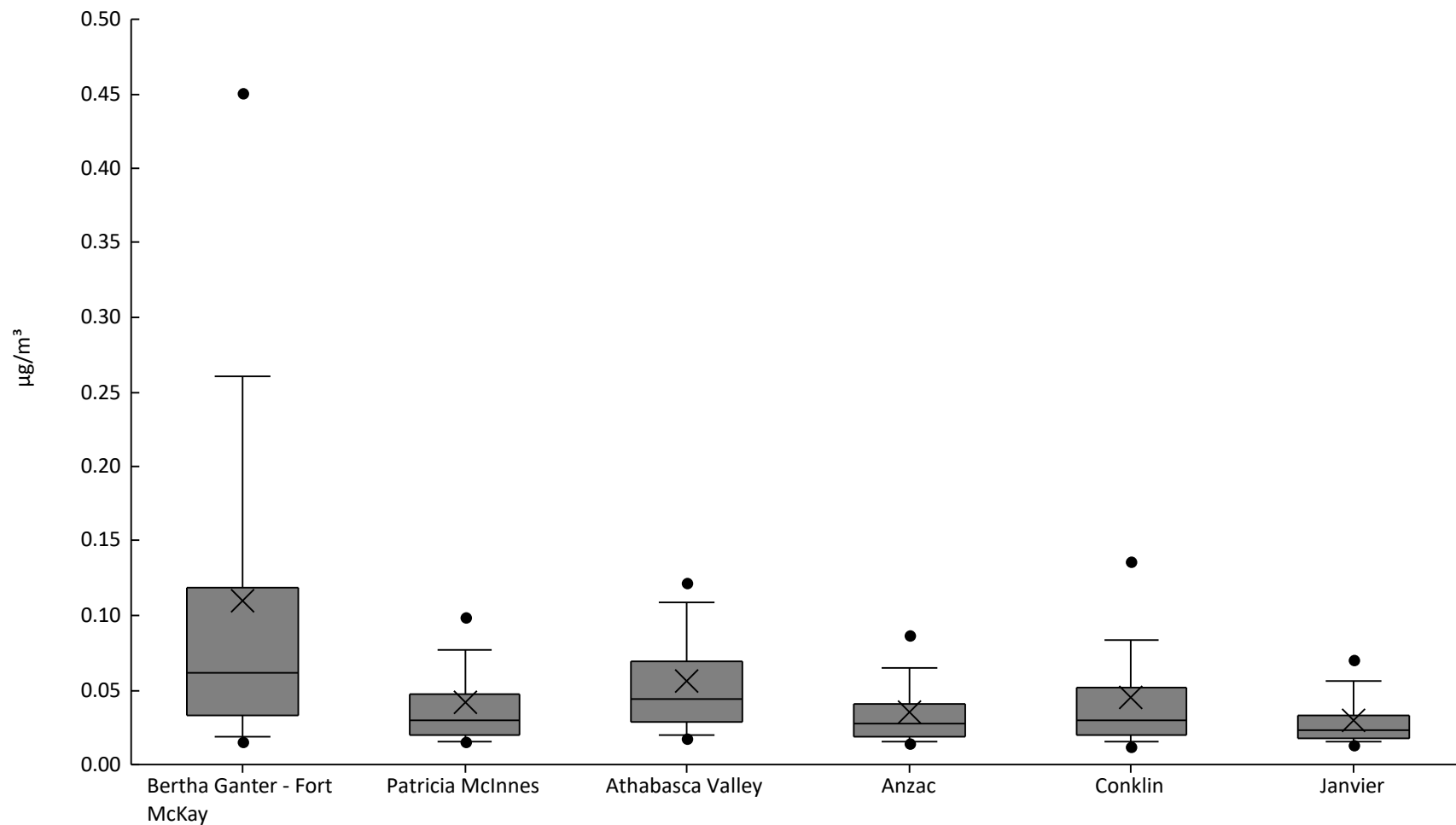
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	56%	1E-6	2E-6	2E-6	6.8E-6	1.1E-5	2.2E-5	6.9E-5	7.8E-5	1.5E-4	2.2E-5	3E-5
AMS06	Patricia McInnes	61	61%	0	1.6E-6	4E-6	6E-6	1.4E-5	2.7E-5	6.1E-5	1E-4	2.1E-4	2.5E-5	3.6E-5
AMS07	Athabasca Valley	58	59%	2E-6	3E-6	3.3E-6	6E-6	1.4E-5	2.5E-5	5.5E-5	9.3E-5	1.9E-4	2.4E-5	3.3E-5
AMS14	Anzac	60	48%	0	2E-6	3E-6	6E-6	9.5E-6	2.7E-5	7.2E-5	1.1E-4	2.1E-4	2.6E-5	4.1E-5
AMS21	Conklin	61	52%	2E-6	3E-6	4.6E-6	6E-6	1.2E-5	3.4E-5	9.7E-5	1.3E-4	2.7E-4	3.1E-5	4.7E-5
AMS22	Janvier	57	49%	2E-6	2.4E-6	3E-6	5E-6	1E-5	2.5E-5	8.2E-5	1.1E-4	2E-4	2.6E-5	3.7E-5





Particulate Matter <2.5µm Tested For Elements - Calcium (µg/m³) - 2021

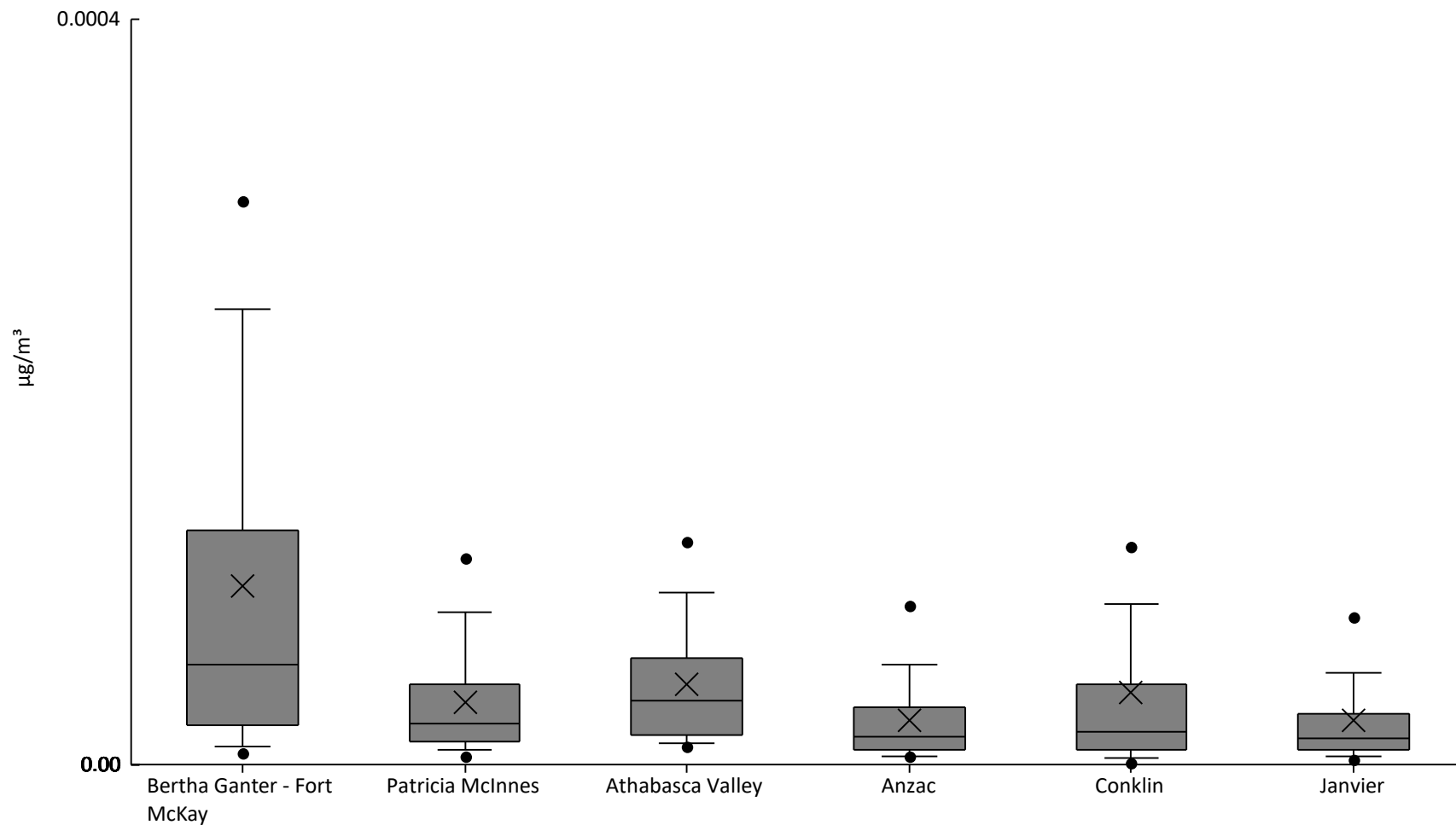
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	97%	9E-3	0.015	0.019	0.033	0.062	0.12	0.26	0.45	0.74	0.11	0.14
AMS06	Patricia McInnes	61	97%	0.011	0.015	0.016	0.02	0.03	0.048	0.077	0.099	0.16	0.041	0.031
AMS07	Athabasca Valley	58	98%	0.013	0.018	0.02	0.028	0.044	0.069	0.11	0.12	0.24	0.056	0.041
AMS14	Anzac	60	97%	0.01	0.014	0.015	0.019	0.028	0.04	0.065	0.087	0.15	0.035	0.027
AMS21	Conklin	61	92%	7.5E-3	0.012	0.016	0.02	0.029	0.051	0.084	0.14	0.36	0.045	0.051
AMS22	Janvier	57	96%	0.012	0.013	0.015	0.018	0.024	0.033	0.056	0.07	0.087	0.03	0.018





Particulate Matter <2.5µm Tested For Elements - Cerium (µg/m³) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	84%	4E-6	6E-6	1E-5	2.1E-5	5.4E-5	1.3E-4	2.4E-4	3E-4	7.5E-4	9.6E-5	1.3E-4
AMS06	Patricia McInnes	61	72%	1E-6	4.6E-6	8E-6	1.2E-5	2.2E-5	4.4E-5	8.2E-5	1.1E-4	1.5E-4	3.4E-5	3.3E-5
AMS07	Athabasca Valley	58	86%	8E-6	9.4E-6	1.1E-5	1.6E-5	3.4E-5	5.7E-5	9.3E-5	1.2E-4	1.6E-4	4.3E-5	3.5E-5
AMS14	Anzac	60	55%	3E-6	4E-6	4.5E-6	8E-6	1.5E-5	3.1E-5	5.4E-5	8.6E-5	1.1E-4	2.3E-5	2.4E-5
AMS21	Conklin	61	54%	0	1E-6	3.6E-6	8E-6	1.8E-5	4.4E-5	8.6E-5	1.2E-4	5E-4	3.9E-5	7E-5
AMS22	Janvier	57	53%	1E-6	3E-6	4.2E-6	7.8E-6	1.4E-5	2.7E-5	4.9E-5	7.9E-5	1.8E-4	2.4E-5	2.9E-5

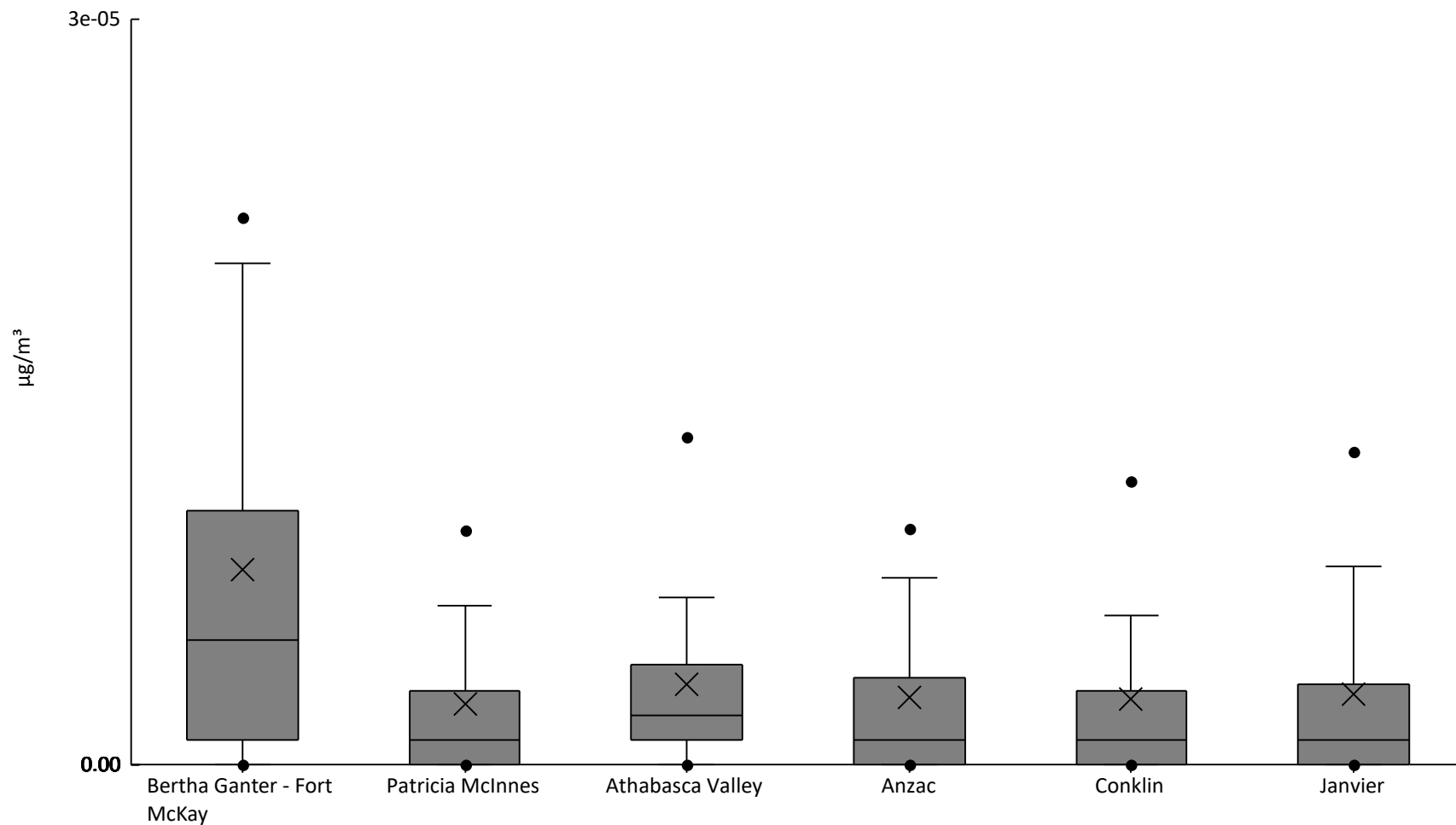






Particulate Matter <2.5µm Tested For Elements - Cesium (µg/m³) - 2021

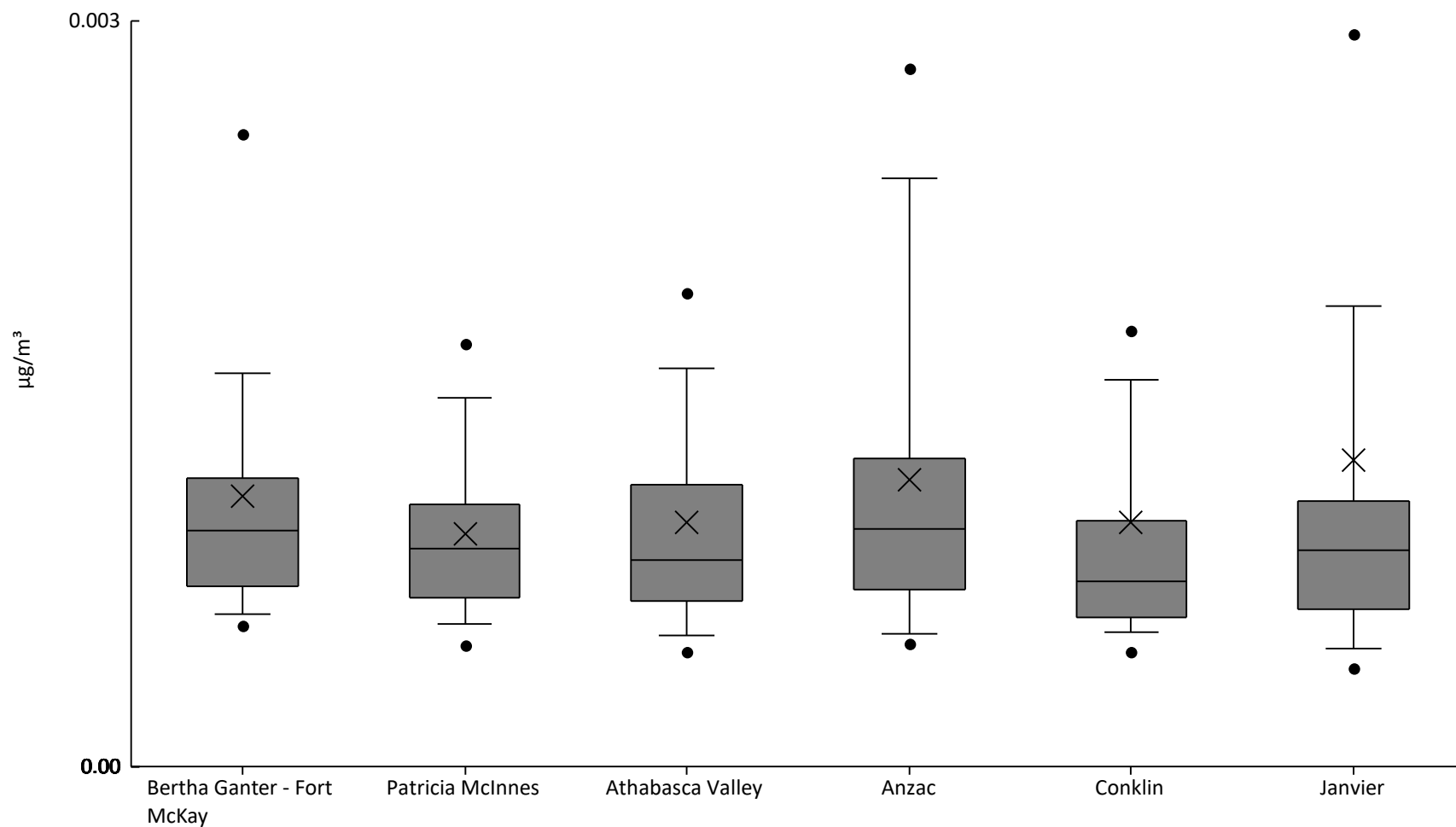
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	56%	0	0	0	1E-6	5E-6	1E-5	2E-5	2.2E-5	5.3E-5	7.8E-6	9.5E-6
AMS06	Patricia McInnes	61	21%	0	0	0	0	1E-6	3E-6	6.4E-6	9.5E-6	1.4E-5	2.4E-6	3.2E-6
AMS07	Athabasca Valley	58	34%	0	0	0	1E-6	2E-6	4E-6	6.7E-6	1.3E-5	1.9E-5	3.2E-6	3.8E-6
AMS14	Anzac	60	25%	0	0	0	0	1E-6	3.5E-6	7.5E-6	9.5E-6	2.4E-5	2.7E-6	4E-6
AMS21	Conklin	61	21%	0	0	0	0	1E-6	3E-6	6E-6	1.1E-5	2.3E-5	2.6E-6	4.7E-6
AMS22	Janvier	57	25%	0	0	0	0	1E-6	3.3E-6	8E-6	1.3E-5	3.3E-5	2.8E-6	5.3E-6





Particulate Matter <2.5µm Tested For Elements - Chromium (µg/m³) - 2021

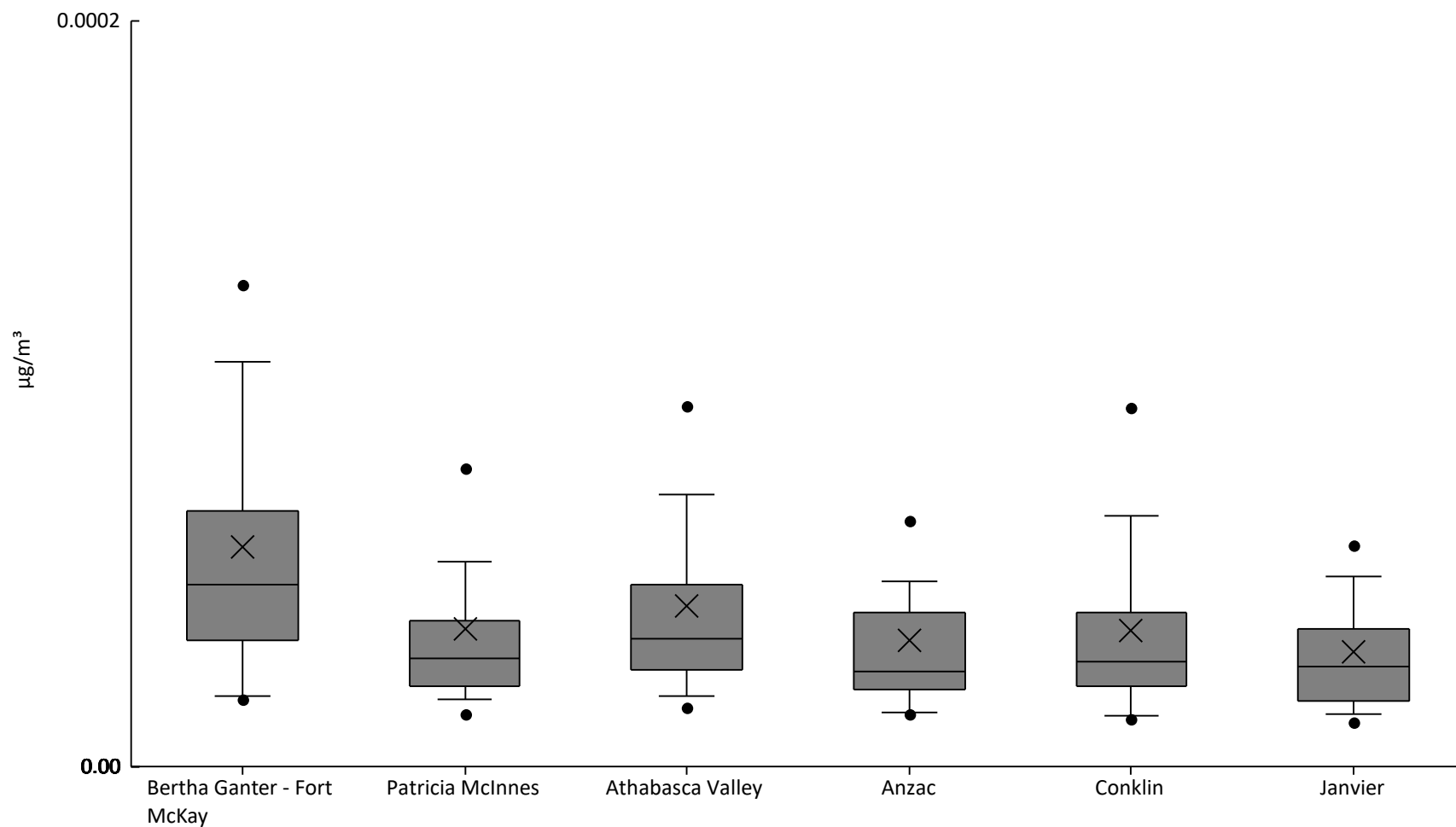
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	4.8E-4	5.7E-4	6.1E-4	7.3E-4	9.5E-4	1.2E-3	1.6E-3	2.5E-3	3.3E-3	1.1E-3	5.6E-4
AMS06	Patricia McInnes	61	100%	3.7E-4	4.9E-4	5.7E-4	6.8E-4	8.8E-4	1.1E-3	1.5E-3	1.7E-3	2.4E-3	9.3E-4	3.8E-4
AMS07	Athabasca Valley	58	98%	0	4.6E-4	5.3E-4	6.7E-4	8.3E-4	1.1E-3	1.6E-3	1.9E-3	4E-3	9.8E-4	5.7E-4
AMS14	Anzac	60	100%	4.4E-4	5E-4	5.3E-4	7.1E-4	9.5E-4	1.2E-3	2.4E-3	2.8E-3	3.9E-3	1.2E-3	7.5E-4
AMS21	Conklin	61	100%	3.5E-4	4.6E-4	5.4E-4	6E-4	7.4E-4	9.9E-4	1.6E-3	1.8E-3	8.3E-3	9.9E-4	1E-3
AMS22	Janvier	57	100%	2.9E-4	4E-4	4.7E-4	6.3E-4	8.7E-4	1.1E-3	1.9E-3	2.9E-3	0.01	1.2E-3	1.6E-3





Particulate Matter <2.5µm Tested For Elements - Cobalt (µg/m³) - 2021

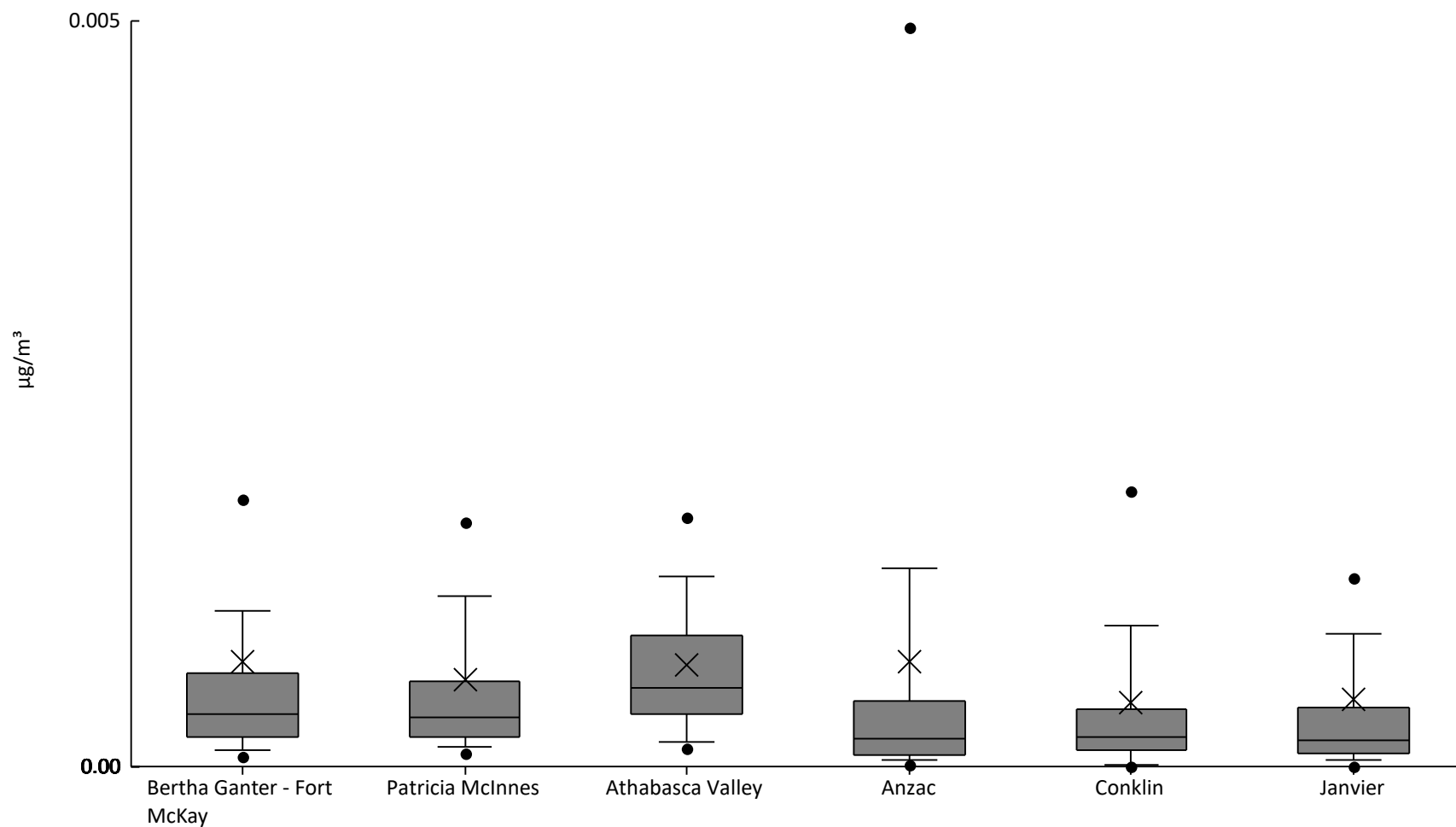
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	1.5E-5	1.8E-5	1.9E-5	3.4E-5	4.9E-5	6.9E-5	1.1E-4	1.3E-4	2.4E-4	5.9E-5	4.1E-5
AMS06	Patricia McInnes	61	100%	1.2E-5	1.4E-5	1.8E-5	2.2E-5	2.9E-5	3.9E-5	5.5E-5	8E-5	3E-4	3.7E-5	3.8E-5
AMS07	Athabasca Valley	58	100%	1.3E-5	1.6E-5	1.9E-5	2.6E-5	3.5E-5	4.9E-5	7.3E-5	9.7E-5	2.1E-4	4.3E-5	3E-5
AMS14	Anzac	60	100%	1.2E-5	1.4E-5	1.5E-5	2.1E-5	2.6E-5	4.2E-5	5E-5	6.6E-5	2.2E-4	3.4E-5	3E-5
AMS21	Conklin	61	100%	9E-6	1.3E-5	1.4E-5	2.2E-5	2.8E-5	4.1E-5	6.7E-5	9.6E-5	1.6E-4	3.7E-5	2.7E-5
AMS22	Janvier	57	100%	1.1E-5	1.2E-5	1.4E-5	1.8E-5	2.7E-5	3.7E-5	5.1E-5	5.9E-5	1.2E-4	3.1E-5	1.9E-5





Particulate Matter <2.5µm Tested For Elements - Copper (µg/m³) - 2021

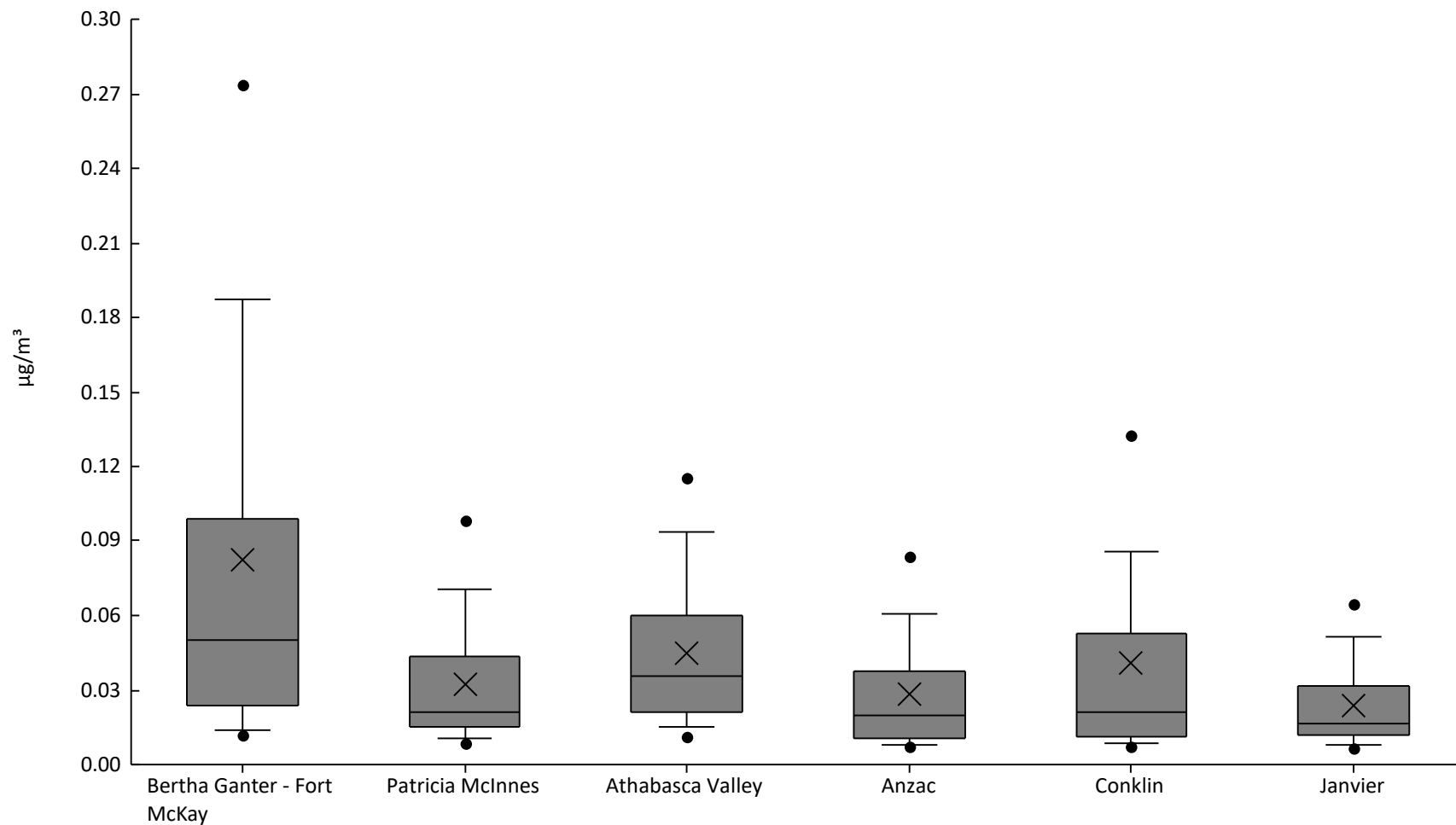
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	7E-5	1.1E-4	2E-4	3.6E-4	6.3E-4	1E-3	1.8E-3	0.013	7.1E-4	1.7E-3
AMS06	Patricia McInnes	61	98%	3E-6	8.4E-5	1.3E-4	2E-4	3.3E-4	5.7E-4	1.1E-3	1.6E-3	6.8E-3	5.8E-4	9.1E-4
AMS07	Athabasca Valley	58	98%	0	1.2E-4	1.7E-4	3.5E-4	5.3E-4	8.7E-4	1.3E-3	1.7E-3	3.2E-3	6.8E-4	5.9E-4
AMS14	Anzac	60	93%	0	1.6E-5	4.4E-5	7.7E-5	1.9E-4	4.5E-4	1.3E-3	5E-3	0.01	7.1E-4	1.7E-3
AMS21	Conklin	61	89%	0	0	7.4E-6	1.1E-4	2E-4	3.8E-4	9.4E-4	1.8E-3	4.2E-3	4.2E-4	7.4E-4
AMS22	Janvier	57	91%	0	7E-7	4.6E-5	8.9E-5	1.8E-4	4E-4	8.9E-4	1.3E-3	8E-3	4.6E-4	1.1E-3





Particulate Matter <2.5µm Tested For Elements - Iron (µg/m³) - 2021

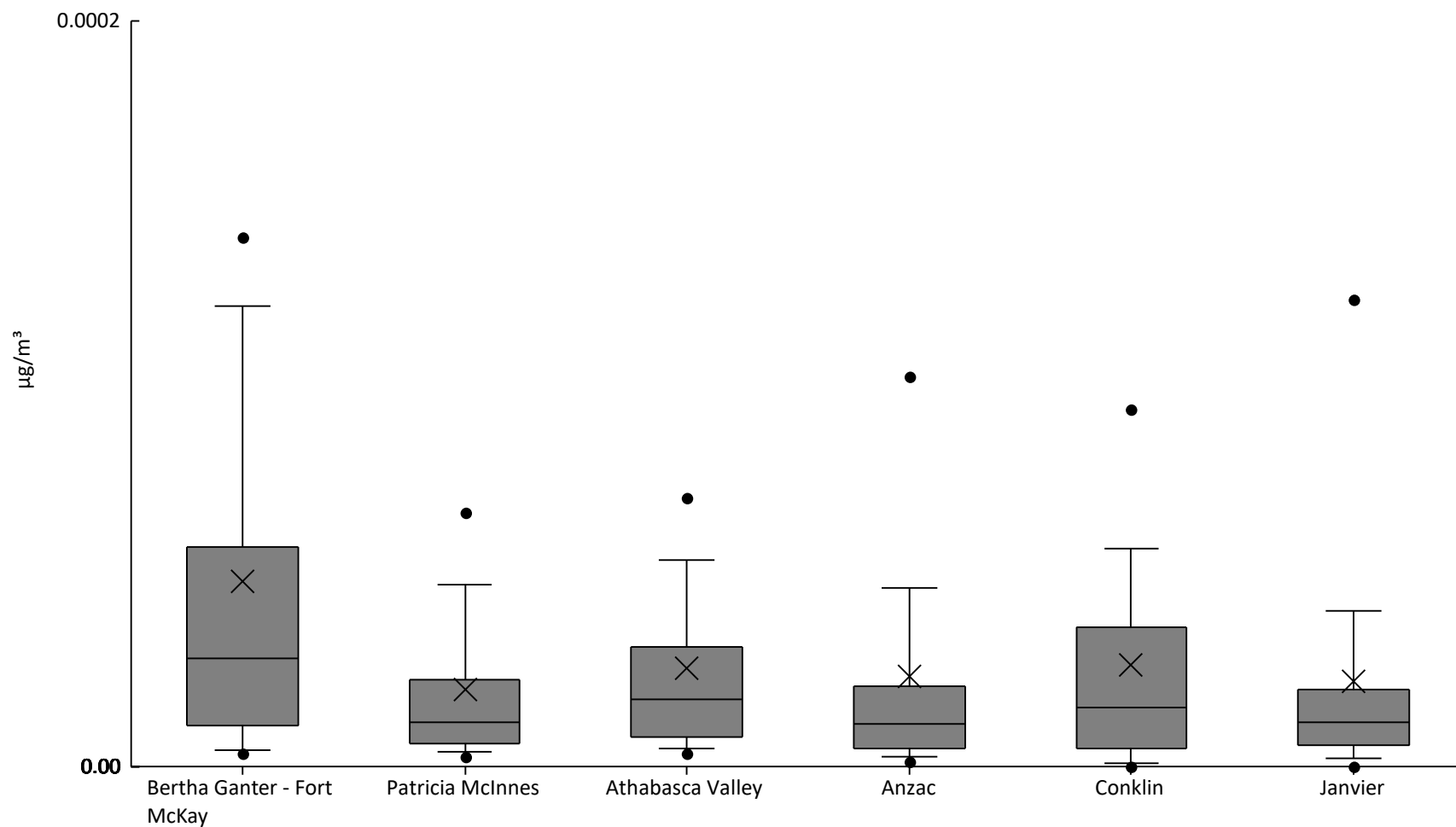
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	5.7E-3	0.012	0.014	0.024	0.05	0.099	0.19	0.27	0.55	0.082	0.097
AMS06	Patricia McInnes	61	100%	6.5E-3	8.8E-3	0.01	0.015	0.021	0.043	0.071	0.098	0.12	0.032	0.027
AMS07	Athabasca Valley	58	98%	1.4E-5	0.011	0.015	0.021	0.035	0.06	0.094	0.12	0.15	0.045	0.033
AMS14	Anzac	60	100%	5.3E-3	7.1E-3	7.6E-3	0.011	0.02	0.037	0.061	0.084	0.14	0.028	0.026
AMS21	Conklin	61	100%	4.1E-3	7.2E-3	8.3E-3	0.011	0.021	0.053	0.086	0.13	0.36	0.041	0.055
AMS22	Janvier	57	100%	5.9E-3	6.9E-3	8.1E-3	0.012	0.017	0.032	0.051	0.065	0.089	0.024	0.019





Particulate Matter <2.5µm Tested For Elements - Lanthanum (µg/m³) - 2021

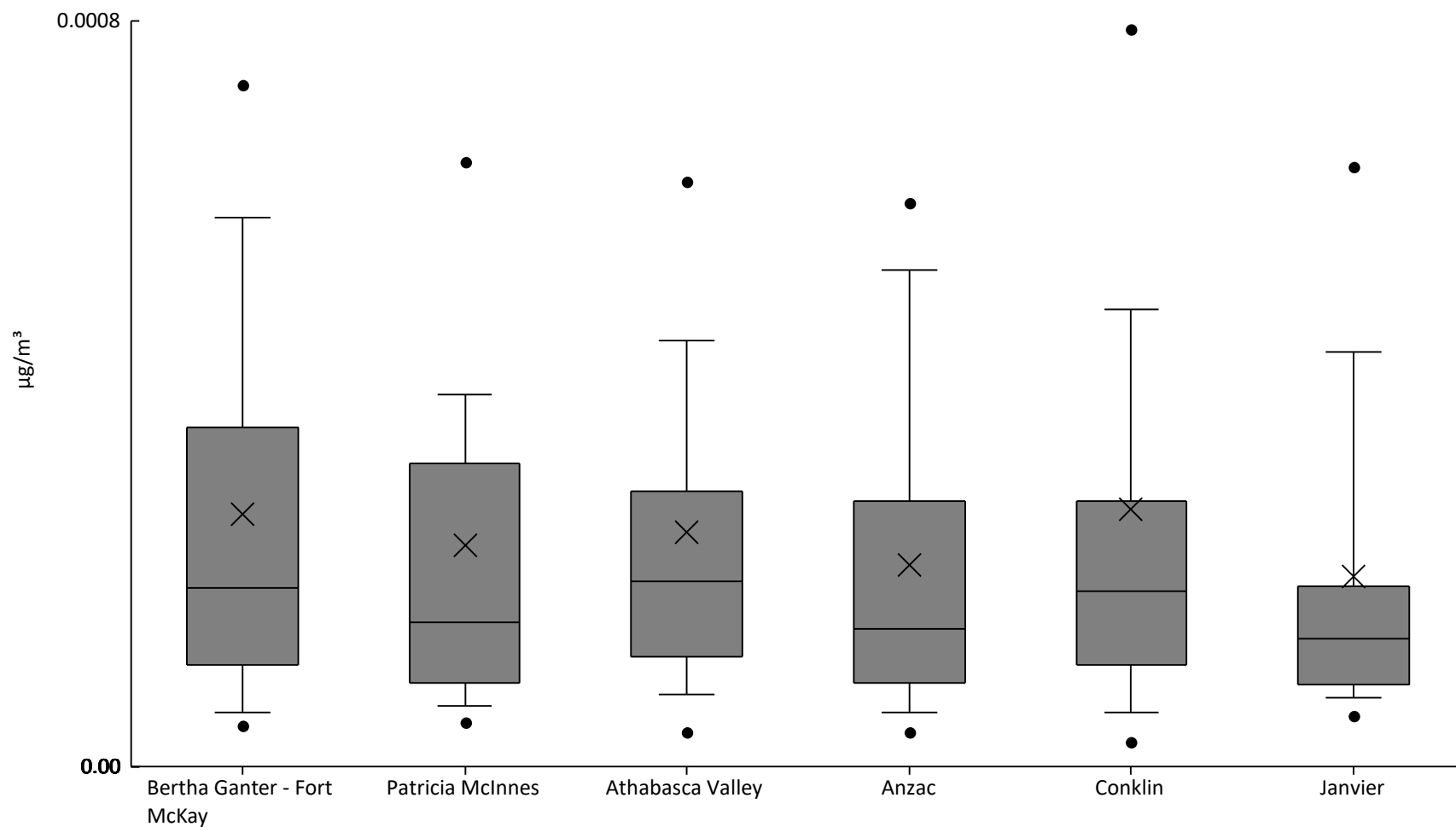
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	95%	2E-6	3.6E-6	4.6E-6	1.1E-5	2.9E-5	5.9E-5	1.2E-4	1.4E-4	3.4E-4	4.9E-5	5.9E-5
AMS06	Patricia McInnes	61	92%	0	2.6E-6	4E-6	6E-6	1.2E-5	2.3E-5	4.9E-5	6.8E-5	1.4E-4	2.1E-5	2.6E-5
AMS07	Athabasca Valley	58	95%	2E-6	3.4E-6	5E-6	8E-6	1.8E-5	3.2E-5	5.5E-5	7.2E-5	2.2E-4	2.7E-5	3.2E-5
AMS14	Anzac	60	87%	0	1.5E-6	2.5E-6	5E-6	1.2E-5	2.2E-5	4.8E-5	1E-4	3.1E-4	2.4E-5	4.7E-5
AMS21	Conklin	61	85%	0	0	1E-6	5E-6	1.6E-5	3.7E-5	5.8E-5	9.6E-5	2.4E-4	2.7E-5	3.7E-5
AMS22	Janvier	57	86%	0	0	2E-6	5.8E-6	1.2E-5	2.1E-5	4.2E-5	1.3E-4	1.9E-4	2.3E-5	3.7E-5





Particulate Matter <2.5µm Tested For Elements - Lead (µg/m³) - 2021

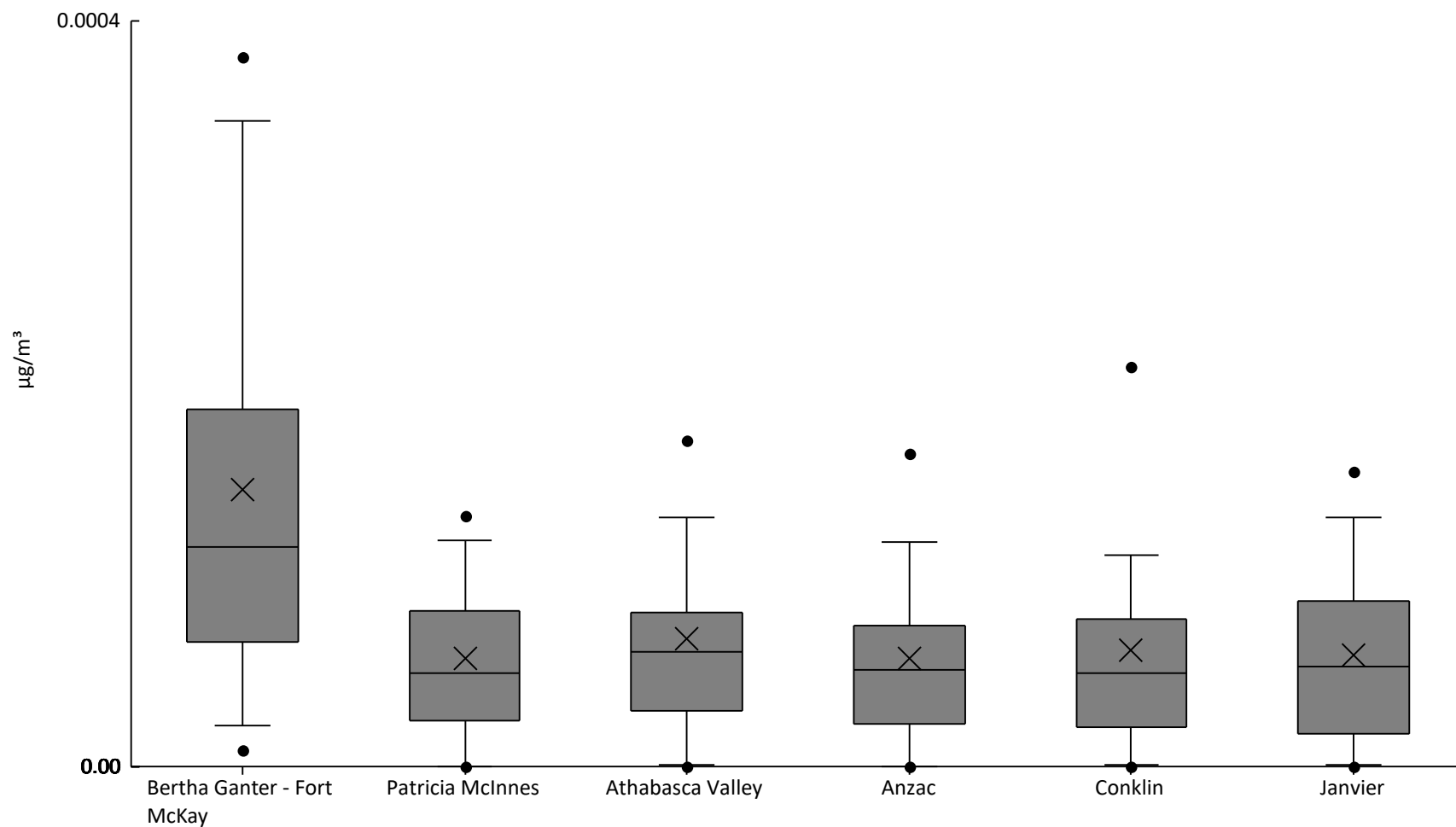
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	2E-5	4.4E-5	5.8E-5	1.1E-4	1.9E-4	3.6E-4	5.9E-4	7.3E-4	1.2E-3	2.7E-4	2.4E-4
AMS06	Patricia McInnes	61	100%	2.2E-5	4.7E-5	6.4E-5	8.9E-5	1.6E-4	3.2E-4	4E-4	6.5E-4	1.4E-3	2.4E-4	2.2E-4
AMS07	Athabasca Valley	58	98%	1.8E-5	3.7E-5	7.8E-5	1.2E-4	2E-4	3E-4	4.6E-4	6.3E-4	1.1E-3	2.5E-4	2.1E-4
AMS14	Anzac	60	100%	2.2E-5	3.8E-5	5.8E-5	8.9E-5	1.5E-4	2.8E-4	5.3E-4	6E-4	8.9E-4	2.2E-4	1.9E-4
AMS21	Conklin	61	98%	9E-6	2.6E-5	5.8E-5	1.1E-4	1.9E-4	2.9E-4	4.9E-4	7.9E-4	3.1E-3	2.8E-4	4.2E-4
AMS22	Janvier	57	100%	4.4E-5	5.5E-5	7.4E-5	8.9E-5	1.4E-4	1.9E-4	4.5E-4	6.4E-4	1.2E-3	2E-4	2E-4





Particulate Matter <2.5µm Tested For Elements - Lithium (µg/m³) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	93%	0	8.5E-6	2.2E-5	6.7E-5	1.2E-4	1.9E-4	3.5E-4	3.8E-4	8.5E-4	1.5E-4	1.4E-4
AMS06	Patricia McInnes	61	84%	0	0	0	2.5E-5	5E-5	8.3E-5	1.2E-4	1.3E-4	2.1E-4	5.8E-5	4.5E-5
AMS07	Athabasca Valley	58	83%	0	0	1E-6	3E-5	6.2E-5	8.3E-5	1.3E-4	1.8E-4	4E-4	6.8E-5	6.4E-5
AMS14	Anzac	60	78%	0	0	0	2.3E-5	5.2E-5	7.6E-5	1.2E-4	1.7E-4	2.5E-4	5.8E-5	5.1E-5
AMS21	Conklin	61	79%	0	0	1E-6	2.1E-5	5E-5	8E-5	1.1E-4	2.1E-4	3.1E-4	6.2E-5	6.2E-5
AMS22	Janvier	57	75%	0	0	6E-7	1.8E-5	5.4E-5	8.9E-5	1.3E-4	1.6E-4	2E-4	6E-5	4.9E-5

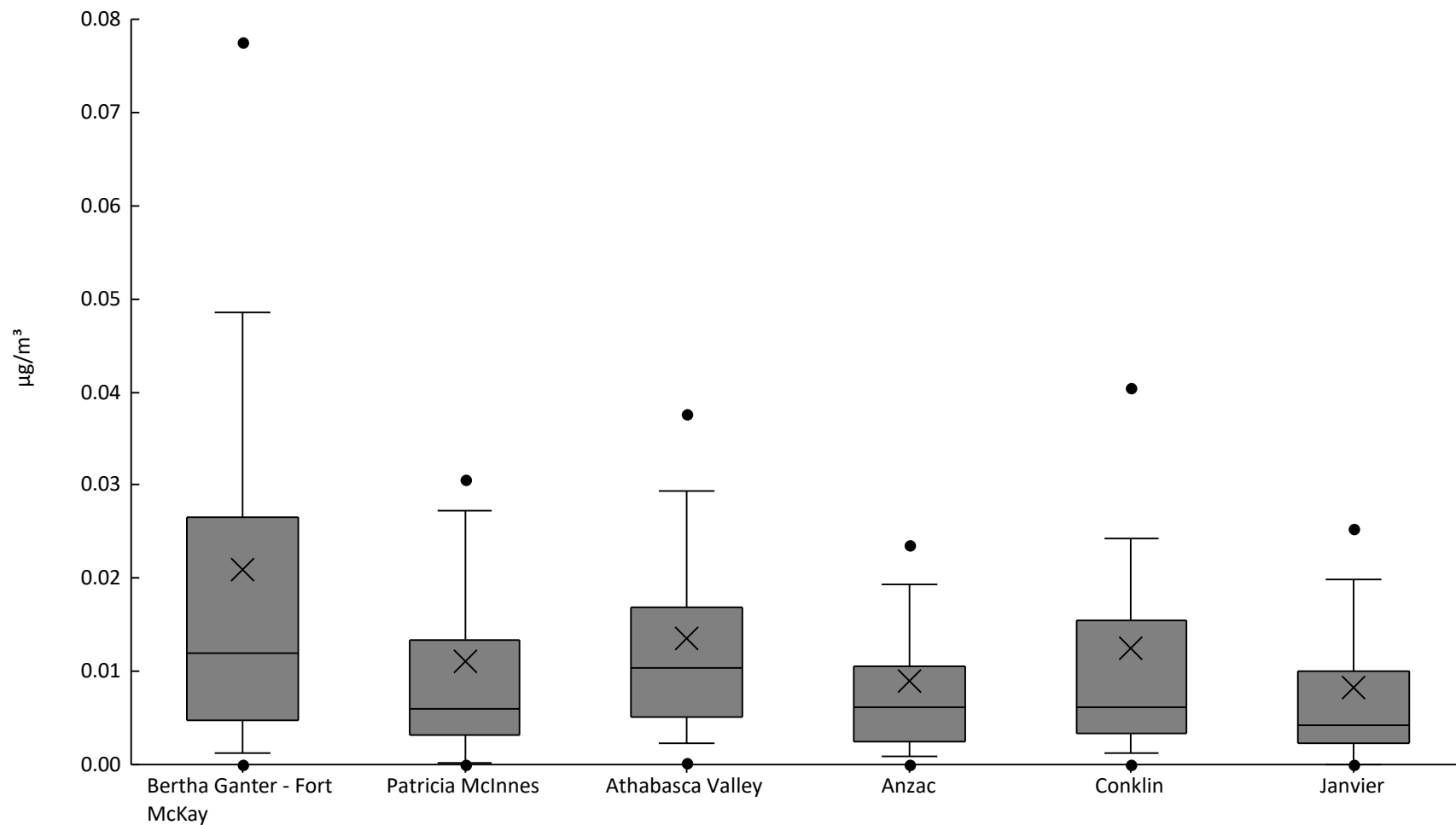






Particulate Matter <2.5µm Tested For Elements - Magnesium (µg/m³) - 2021

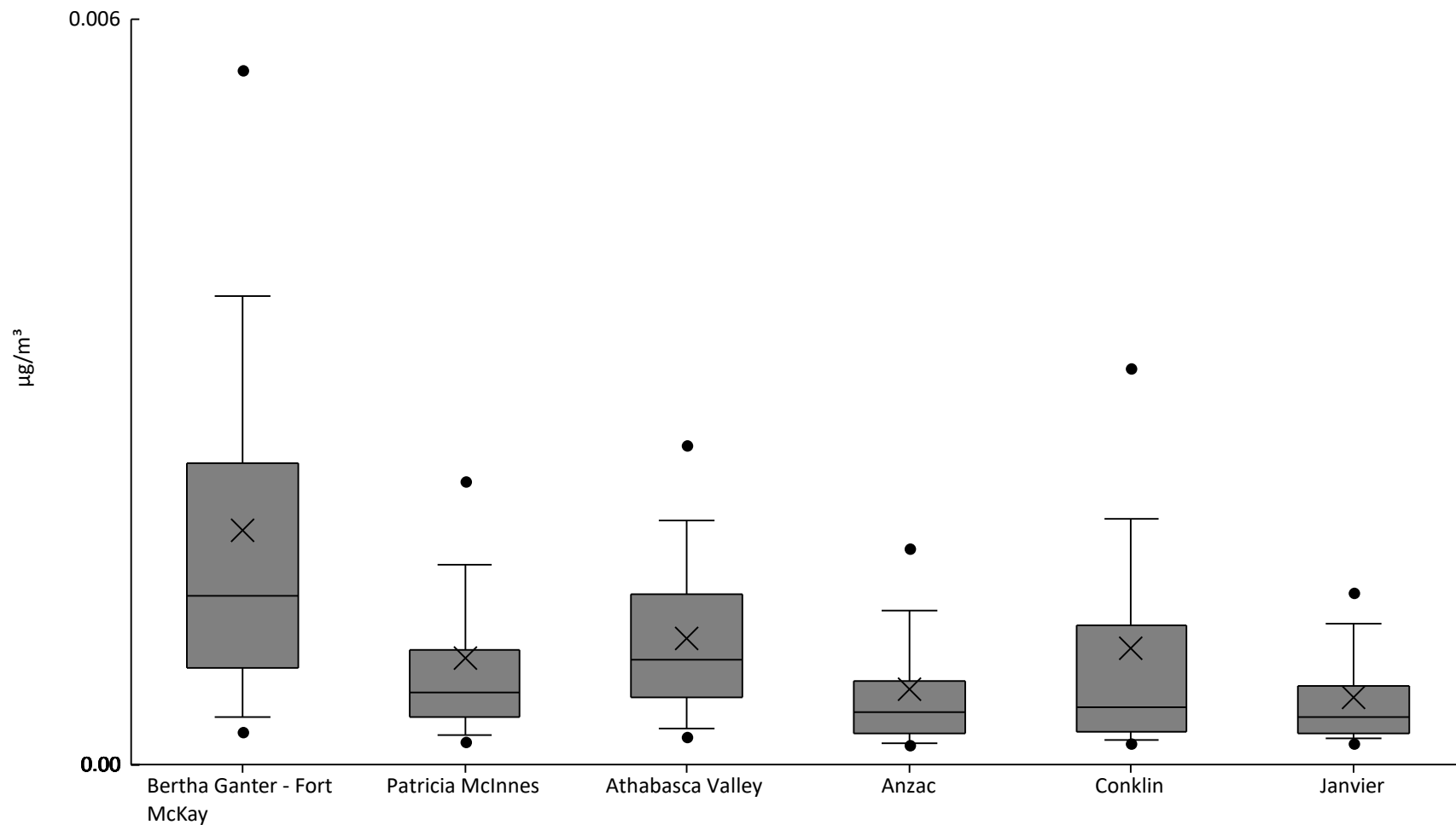
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	93%	0	0	1.2E-3	4.8E-3	0.012	0.027	0.049	0.077	0.16	0.021	0.028
AMS06	Patricia McInnes	61	90%	0	0	2.2E-4	3.2E-3	6E-3	0.013	0.027	0.031	0.084	0.011	0.014
AMS07	Athabasca Valley	58	95%	0	1.3E-4	2.4E-3	5.2E-3	0.01	0.017	0.029	0.038	0.067	0.014	0.013
AMS14	Anzac	60	92%	0	0	8.3E-4	2.5E-3	6.2E-3	0.01	0.019	0.024	0.089	8.9E-3	0.013
AMS21	Conklin	61	93%	0	0	1.2E-3	3.3E-3	6.1E-3	0.015	0.024	0.04	0.13	0.013	0.02
AMS22	Janvier	57	88%	0	0	0	2.3E-3	4.2E-3	1E-2	0.02	0.025	0.079	8.2E-3	0.012





Particulate Matter <2.5µm Tested For Elements - Manganese (µg/m<sup>3</sup>) - 2021

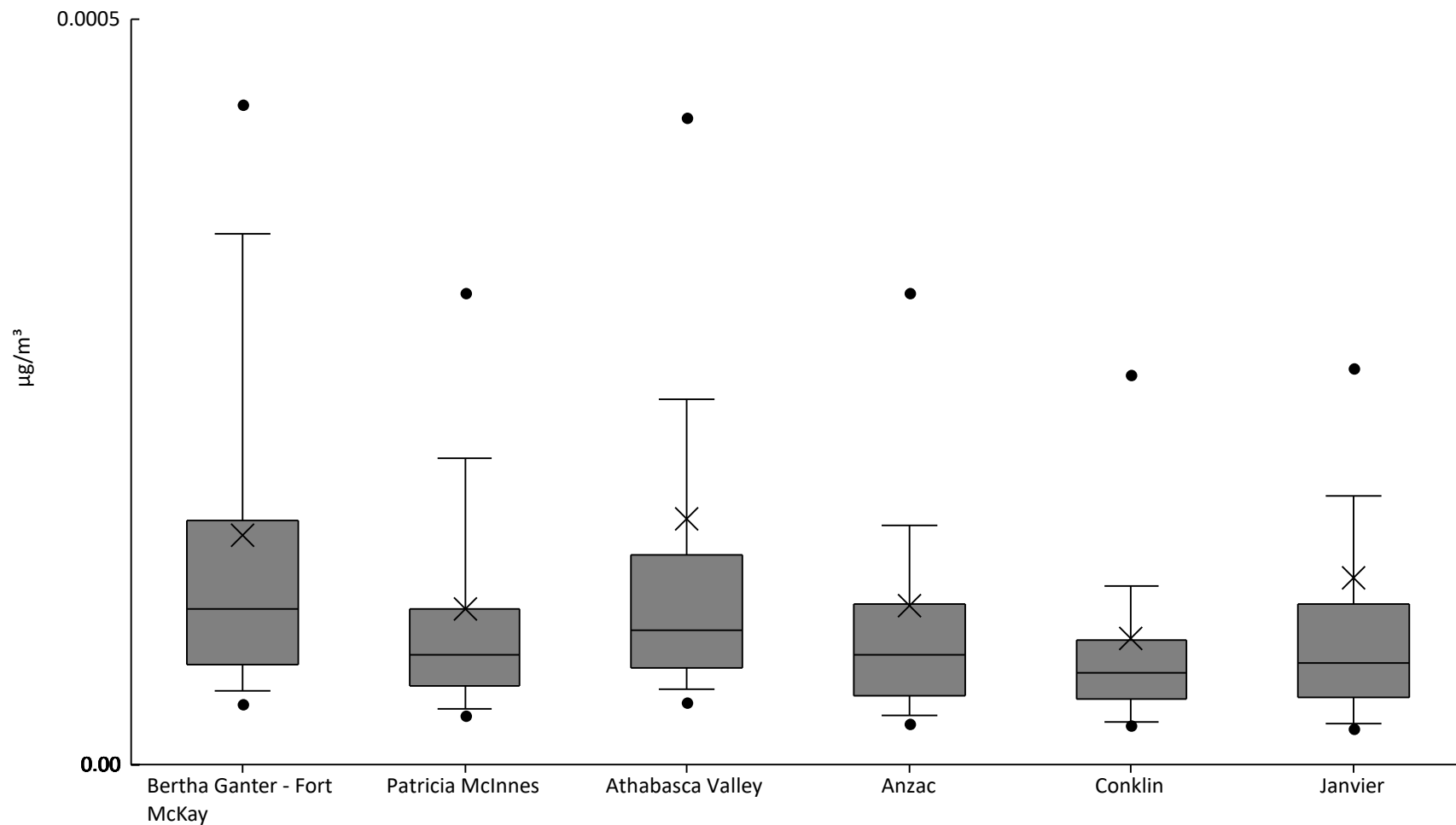
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	1.4E-4	2.6E-4	3.8E-4	7.7E-4	1.4E-3	2.4E-3	3.8E-3	5.6E-3	0.011	1.9E-3	1.9E-3
AMS06	Patricia McInnes	61	100%	1.2E-4	1.9E-4	2.3E-4	3.8E-4	5.8E-4	9.2E-4	1.6E-3	2.3E-3	7E-3	8.6E-4	1E-3
AMS07	Athabasca Valley	58	100%	7.5E-5	2.3E-4	2.9E-4	5.4E-4	8.4E-4	1.4E-3	2E-3	2.6E-3	2.9E-3	1E-3	6.8E-4
AMS14	Anzac	60	100%	1.3E-4	1.6E-4	1.8E-4	2.5E-4	4.2E-4	6.7E-4	1.2E-3	1.7E-3	3.1E-3	6.1E-4	5.5E-4
AMS21	Conklin	61	100%	1.2E-4	1.7E-4	2E-4	2.7E-4	4.6E-4	1.1E-3	2E-3	3.2E-3	8.2E-3	9.4E-4	1.3E-3
AMS22	Janvier	57	100%	1.3E-4	1.7E-4	2.1E-4	2.5E-4	3.9E-4	6.3E-4	1.1E-3	1.4E-3	2E-3	5.4E-4	4.3E-4





Particulate Matter <2.5µm Tested For Elements - Molybdenum (µg/m³) - 2021

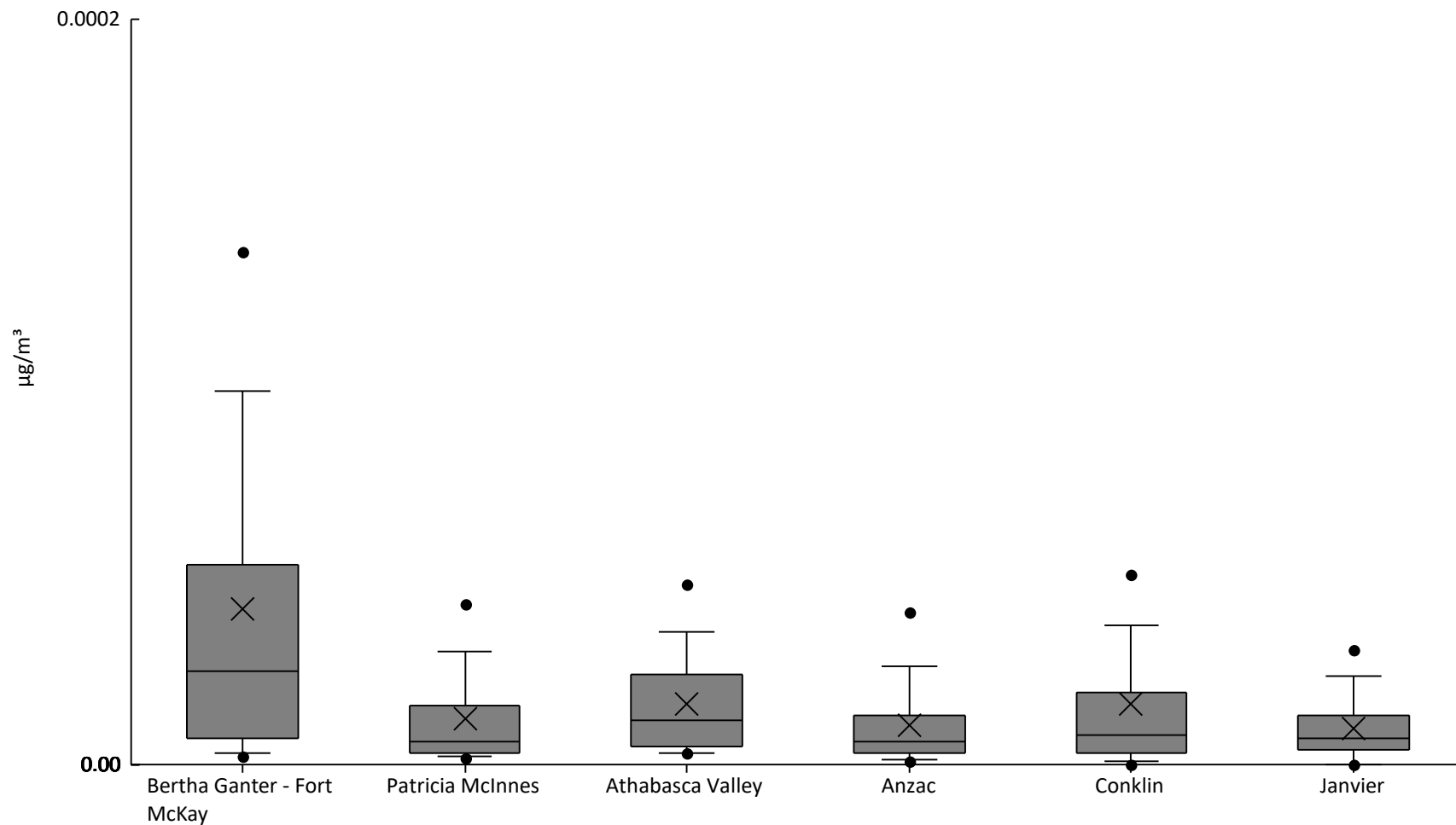
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	2.3E-5	4.1E-5	5E-5	6.7E-5	1E-4	1.6E-4	3.6E-4	4.4E-4	9E-4	1.5E-4	1.5E-4
AMS06	Patricia McInnes	61	97%	1.4E-5	3.3E-5	3.7E-5	5.3E-5	7.4E-5	1E-4	2.1E-4	3.2E-4	5.2E-4	1E-4	9.7E-5
AMS07	Athabasca Valley	58	100%	3.6E-5	4.2E-5	5.1E-5	6.5E-5	9E-5	1.4E-4	2.5E-4	4.3E-4	1.9E-3	1.6E-4	2.9E-4
AMS14	Anzac	60	98%	2.3E-5	2.8E-5	3.4E-5	4.7E-5	7.4E-5	1.1E-4	1.6E-4	3.2E-4	1E-3	1.1E-4	1.5E-4
AMS21	Conklin	61	97%	2.1E-5	2.7E-5	2.9E-5	4.4E-5	6.1E-5	8.4E-5	1.2E-4	2.6E-4	6.1E-4	8.5E-5	9.9E-5
AMS22	Janvier	57	95%	1.5E-5	2.4E-5	2.7E-5	4.5E-5	6.8E-5	1.1E-4	1.8E-4	2.7E-4	2.2E-3	1.3E-4	2.9E-4





Particulate Matter <2.5µm Tested For Elements - Neodymium (µg/m³) - 2021

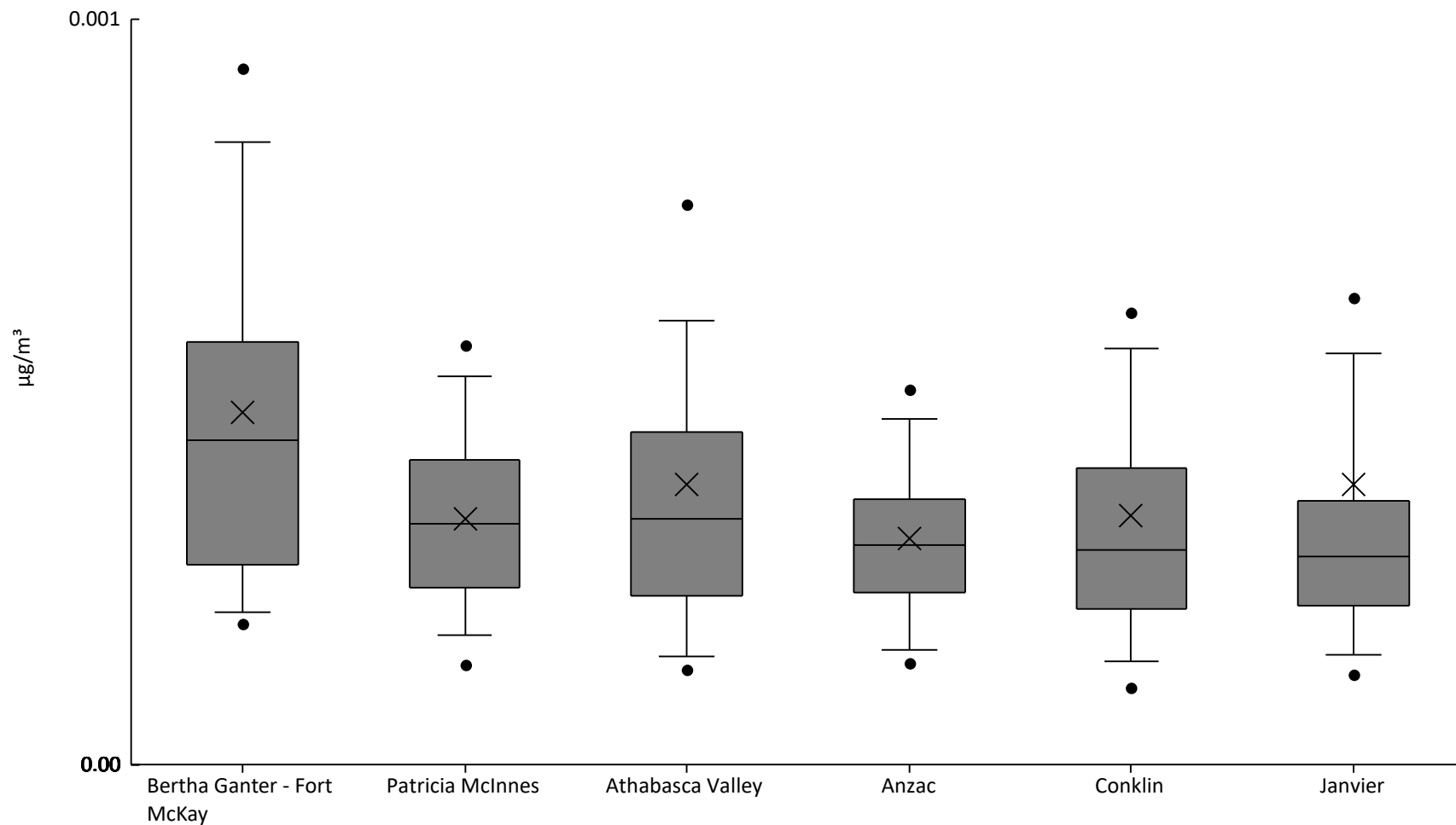
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	82%	1E-6	2E-6	3E-6	7E-6	2.5E-5	5.4E-5	1E-4	1.4E-4	3.2E-4	4.2E-5	5.5E-5
AMS06	Patricia McInnes	61	54%	1E-6	1.6E-6	2E-6	3E-6	6E-6	1.6E-5	3E-5	4.3E-5	6.2E-5	1.2E-5	1.3E-5
AMS07	Athabasca Valley	58	72%	0	3E-6	3E-6	5E-6	1.2E-5	2.4E-5	3.6E-5	4.8E-5	7.1E-5	1.6E-5	1.5E-5
AMS14	Anzac	60	52%	0	1E-6	1.5E-6	3E-6	6E-6	1.3E-5	2.7E-5	4.1E-5	4.7E-5	1E-5	1.2E-5
AMS21	Conklin	61	54%	0	0	1E-6	3E-6	8E-6	1.9E-5	3.7E-5	5.1E-5	2E-4	1.6E-5	2.9E-5
AMS22	Janvier	57	56%	0	0	0	3.8E-6	7E-6	1.3E-5	2.4E-5	3.1E-5	4.6E-5	9.8E-6	9.8E-6





Particulate Matter <2.5µm Tested For Elements - Nickel (µg/m³) - 2021

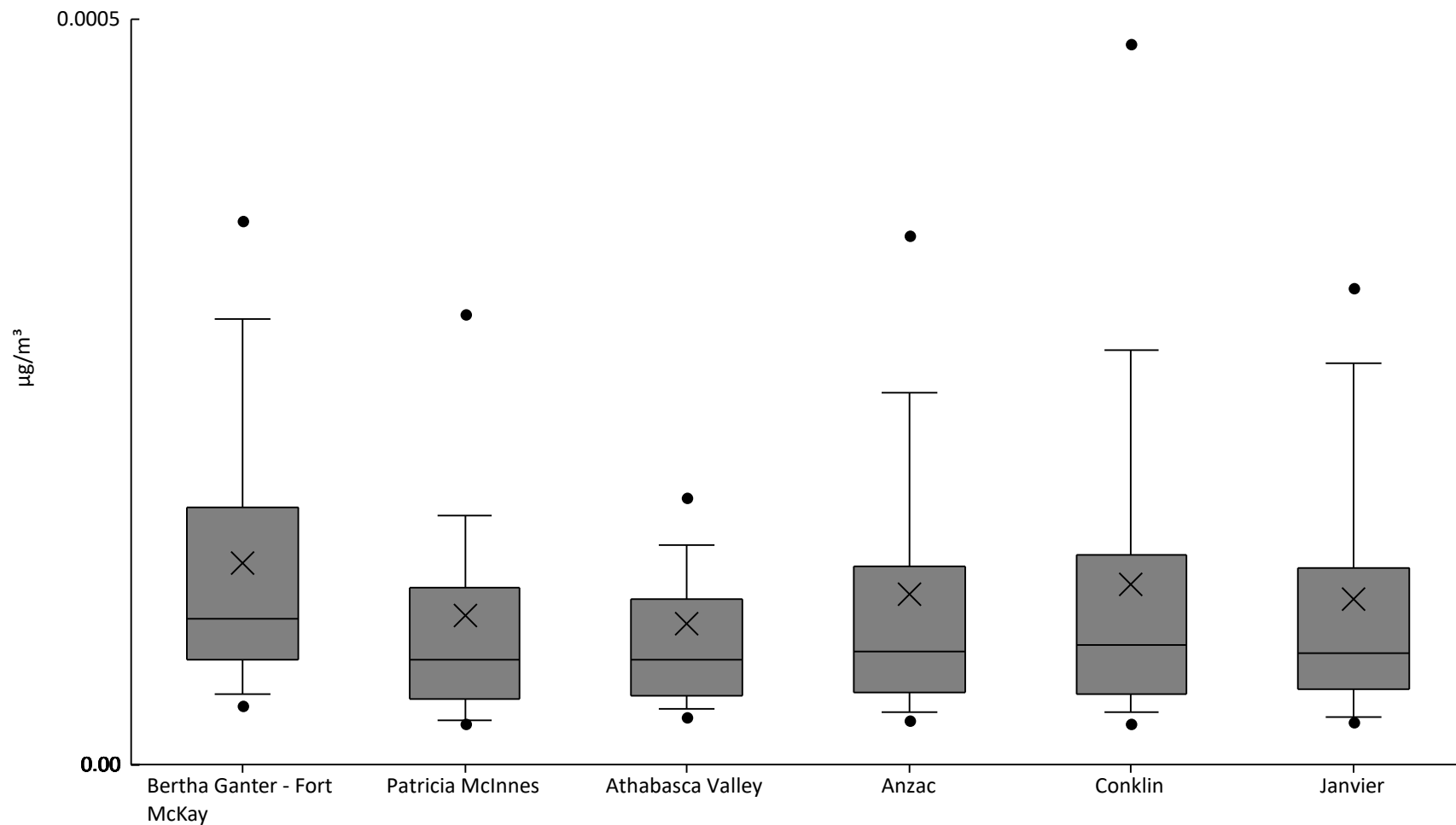
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	8.2E-5	1.9E-4	2E-4	2.7E-4	4.4E-4	5.7E-4	8.4E-4	9.3E-4	1.4E-3	4.7E-4	2.5E-4
AMS06	Patricia McInnes	61	100%	9.2E-5	1.3E-4	1.7E-4	2.4E-4	3.2E-4	4.1E-4	5.2E-4	5.6E-4	6.6E-4	3.3E-4	1.3E-4
AMS07	Athabasca Valley	58	98%	0	1.3E-4	1.4E-4	2.3E-4	3.3E-4	4.5E-4	6E-4	7.5E-4	1.9E-3	3.8E-4	2.6E-4
AMS14	Anzac	60	100%	1E-4	1.4E-4	1.5E-4	2.3E-4	2.9E-4	3.6E-4	4.6E-4	5E-4	6.2E-4	3E-4	1.1E-4
AMS21	Conklin	61	100%	5.7E-5	1E-4	1.4E-4	2.1E-4	2.9E-4	4E-4	5.6E-4	6.1E-4	1.6E-3	3.3E-4	2.2E-4
AMS22	Janvier	57	100%	4.7E-5	1.2E-4	1.5E-4	2.1E-4	2.8E-4	3.5E-4	5.5E-4	6.3E-4	4.6E-3	3.8E-4	5.9E-4





Particulate Matter <2.5µm Tested For Elements - Niobium (µg/m³) - 2021

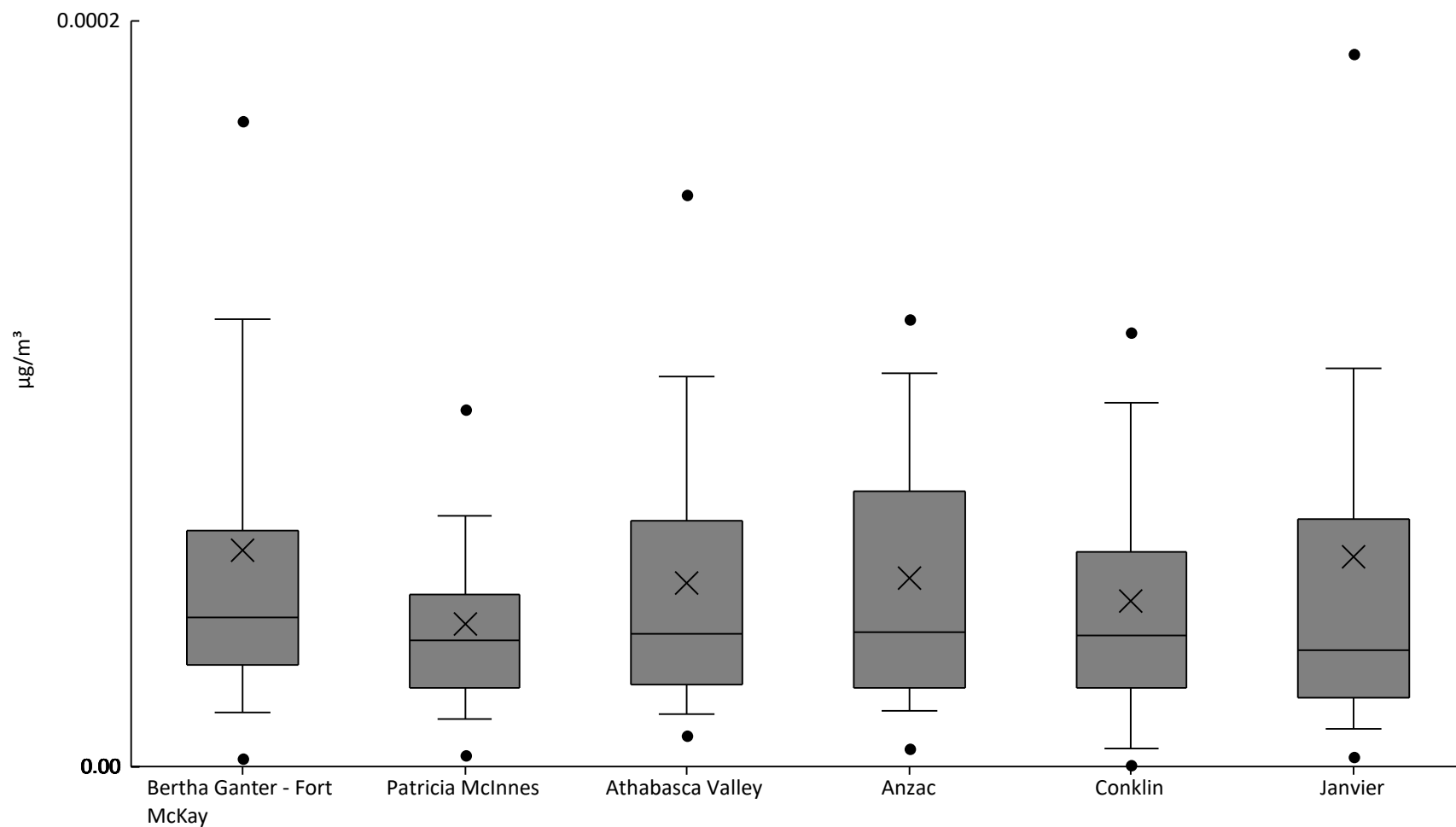
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	2.7E-5	4E-5	4.8E-5	7.1E-5	9.8E-5	1.7E-4	3E-4	3.6E-4	4.4E-4	1.4E-4	9.9E-5
AMS06	Patricia McInnes	61	100%	2.3E-5	2.8E-5	3E-5	4.4E-5	7E-5	1.2E-4	1.7E-4	3E-4	6.8E-4	1E-4	1E-4
AMS07	Athabasca Valley	58	100%	2.8E-5	3.2E-5	3.7E-5	4.6E-5	7.1E-5	1.1E-4	1.5E-4	1.8E-4	7.6E-4	9.4E-5	1E-4
AMS14	Anzac	60	100%	2.3E-5	3E-5	3.5E-5	4.9E-5	7.6E-5	1.3E-4	2.5E-4	3.6E-4	4.9E-4	1.1E-4	1E-4
AMS21	Conklin	61	100%	2E-5	2.7E-5	3.6E-5	4.7E-5	8E-5	1.4E-4	2.8E-4	4.8E-4	5.8E-4	1.2E-4	1.3E-4
AMS22	Janvier	57	100%	2.7E-5	2.9E-5	3.2E-5	5.1E-5	7.5E-5	1.3E-4	2.7E-4	3.2E-4	4.5E-4	1.1E-4	9.2E-5





Particulate Matter <2.5µm Tested For Elements - Palladium (µg/m³) - 2021

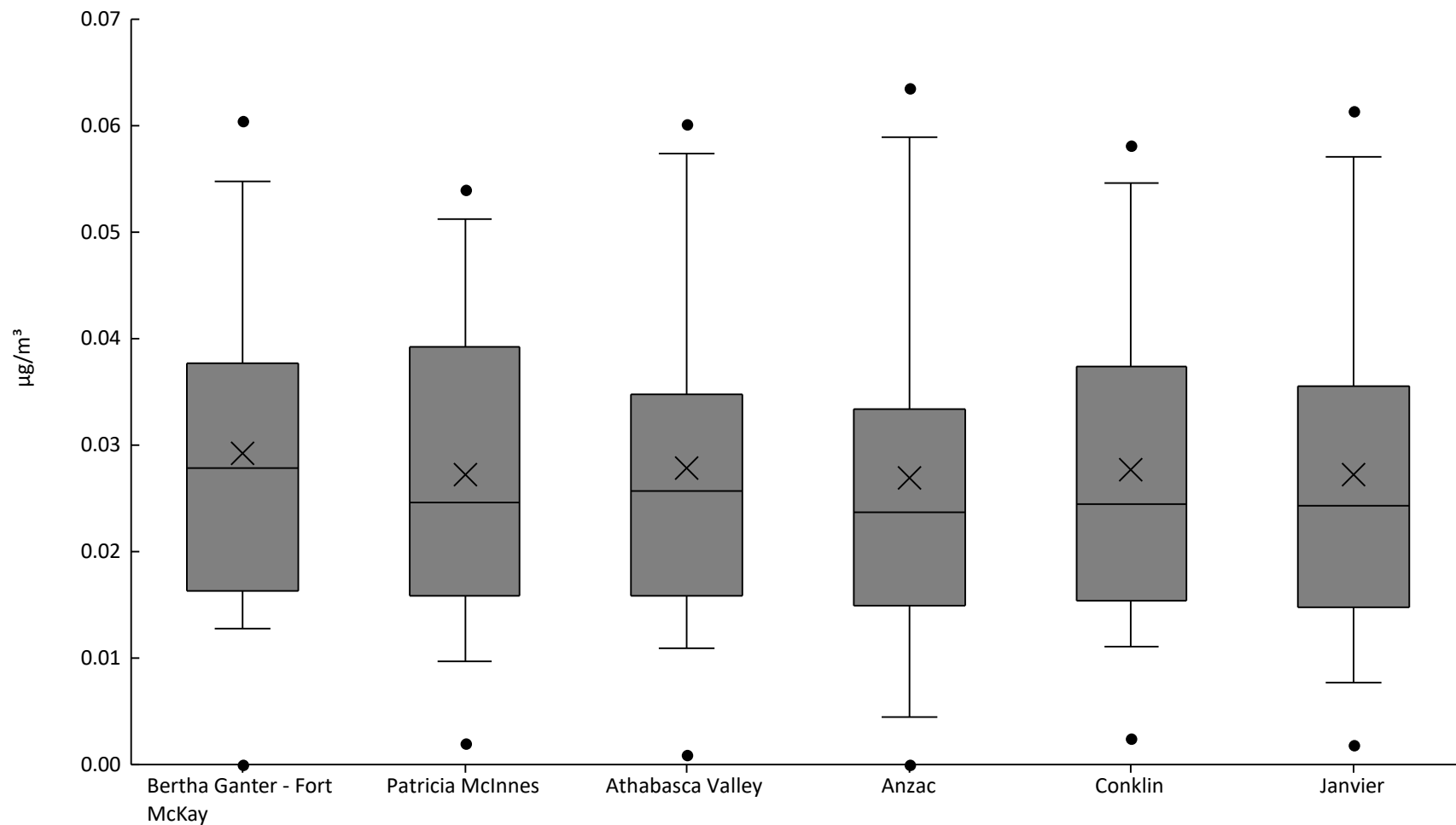
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	36%	0	2.2E-6	1.5E-5	2.7E-5	4E-5	6.3E-5	1.2E-4	1.7E-4	3.2E-4	5.8E-5	5.8E-5
AMS06	Patricia McInnes	61	23%	0	3.2E-6	1.3E-5	2.1E-5	3.4E-5	4.6E-5	6.7E-5	9.6E-5	1.4E-4	3.8E-5	2.7E-5
AMS07	Athabasca Valley	58	31%	0	8.4E-6	1.4E-5	2.2E-5	3.6E-5	6.6E-5	1E-4	1.5E-4	2E-4	4.9E-5	4.2E-5
AMS14	Anzac	60	38%	0	5E-6	1.5E-5	2.1E-5	3.6E-5	7.4E-5	1.1E-4	1.2E-4	2E-4	5.1E-5	4.1E-5
AMS21	Conklin	61	26%	0	5.5E-7	5E-6	2.1E-5	3.5E-5	5.8E-5	9.7E-5	1.2E-4	3E-4	4.5E-5	4.5E-5
AMS22	Janvier	57	37%	0	2.8E-6	1E-5	1.9E-5	3.1E-5	6.6E-5	1.1E-4	1.9E-4	3.5E-4	5.6E-5	7E-5





Particulate Matter <2.5µm Tested For Elements - Phosphorus (µg/m³) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	93%	0	0	0.013	0.016	0.028	0.038	0.055	0.06	0.072	0.029	0.017
AMS06	Patricia McInnes	61	95%	0	2.1E-3	9.6E-3	0.016	0.025	0.039	0.051	0.054	0.064	0.027	0.016
AMS07	Athabasca Valley	58	93%	0	9.6E-4	0.011	0.016	0.026	0.035	0.057	0.06	0.069	0.028	0.017
AMS14	Anzac	60	90%	0	0	4.4E-3	0.015	0.024	0.033	0.059	0.064	0.067	0.027	0.018
AMS21	Conklin	61	95%	0	2.5E-3	0.011	0.015	0.024	0.037	0.055	0.058	0.065	0.028	0.016
AMS22	Janvier	57	95%	0	1.8E-3	7.6E-3	0.015	0.024	0.036	0.057	0.061	0.064	0.027	0.017

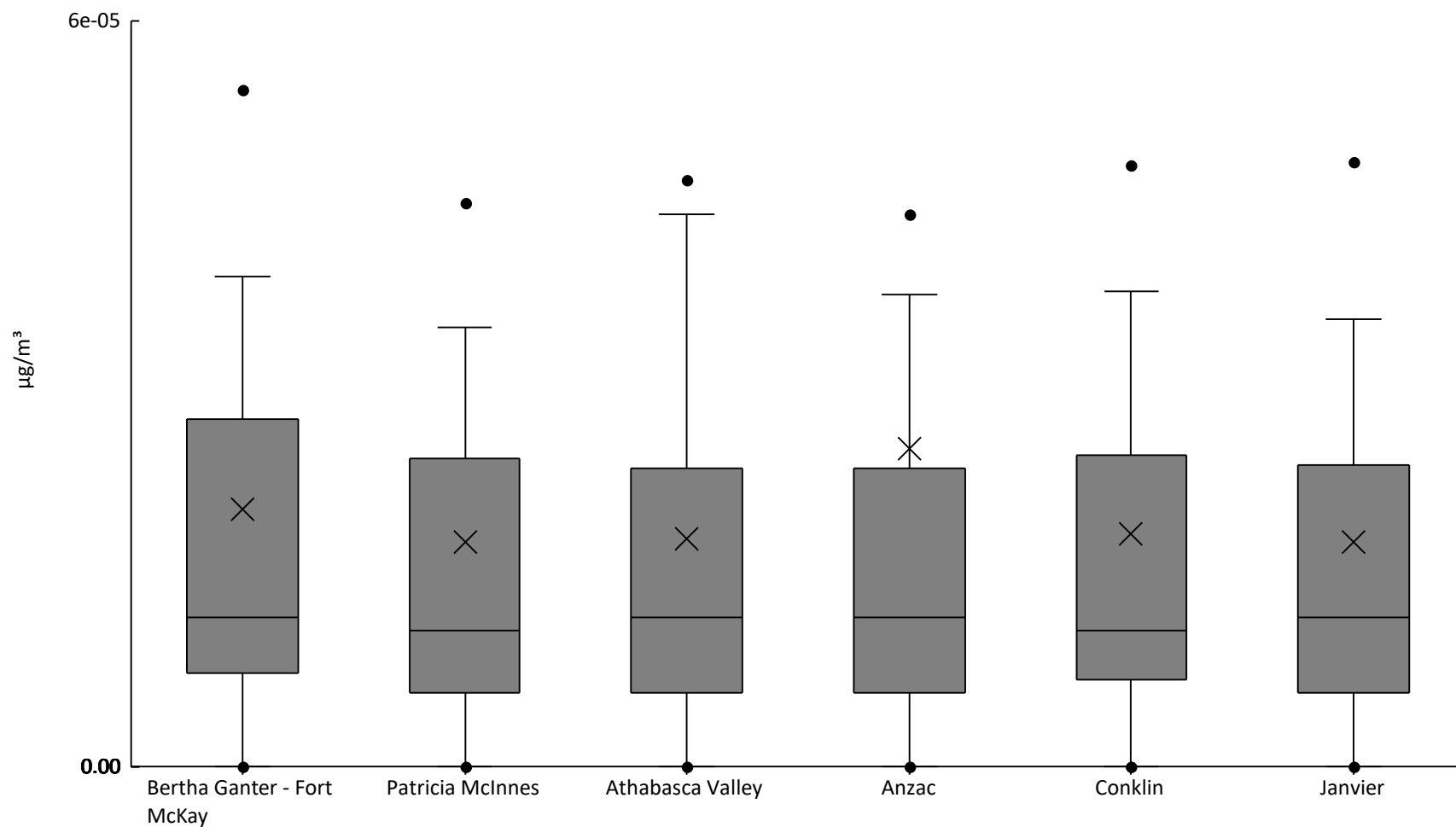






Particulate Matter <2.5µm Tested For Elements - Platinum (µg/m³) - 2021

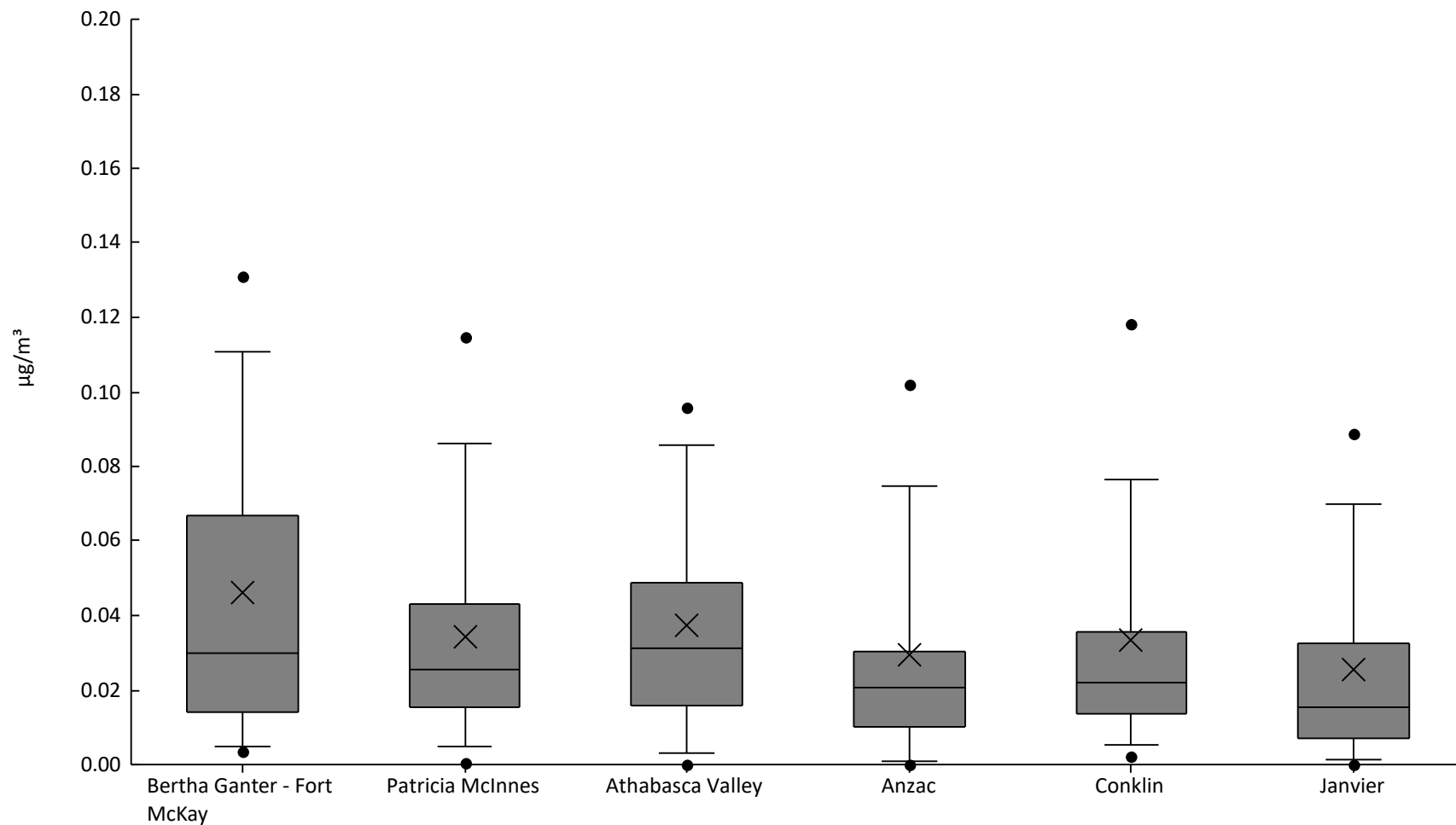
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	80%	0	0	0	7.5E-6	1.2E-5	2.8E-5	3.9E-5	5.4E-5	2.7E-4	2.1E-5	3.5E-5
AMS06	Patricia McInnes	61	80%	0	0	0	6E-6	1.1E-5	2.5E-5	3.5E-5	4.5E-5	1.9E-4	1.8E-5	2.7E-5
AMS07	Athabasca Valley	58	78%	0	0	0	6E-6	1.2E-5	2.4E-5	4.5E-5	4.7E-5	1.8E-4	1.8E-5	2.5E-5
AMS14	Anzac	60	80%	0	0	0	6E-6	1.2E-5	2.4E-5	3.8E-5	4.5E-5	4.2E-4	2.6E-5	6E-5
AMS21	Conklin	61	80%	0	0	0	7E-6	1.1E-5	2.5E-5	3.8E-5	4.8E-5	2E-4	1.9E-5	2.8E-5
AMS22	Janvier	57	77%	0	0	0	6E-6	1.2E-5	2.4E-5	3.6E-5	4.9E-5	2E-4	1.8E-5	2.7E-5





Particulate Matter <2.5µm Tested For Elements - Potassium (µg/m<sup>3</sup>) - 2021

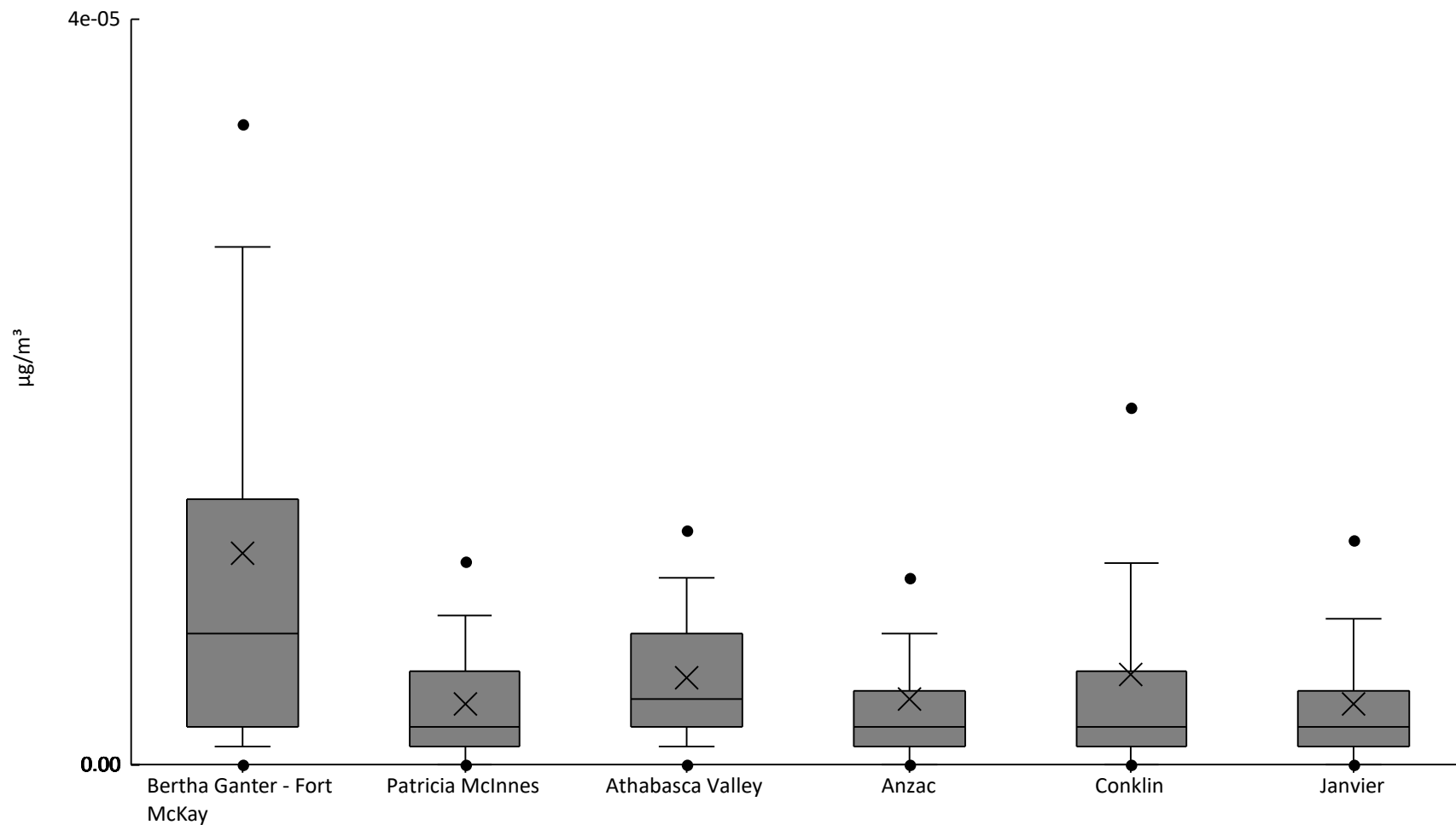
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	97%	0	3.5E-3	4.8E-3	0.014	0.03	0.067	0.11	0.13	0.23	0.046	0.045
AMS06	Patricia McInnes	61	95%	0	4.3E-4	4.9E-3	0.015	0.025	0.043	0.086	0.11	0.14	0.034	0.032
AMS07	Athabasca Valley	58	93%	0	0	3.1E-3	0.016	0.031	0.049	0.086	0.096	0.12	0.037	0.029
AMS14	Anzac	60	90%	0	0	9.5E-4	0.01	0.021	0.03	0.075	0.1	0.18	0.029	0.034
AMS21	Conklin	61	97%	0	2.3E-3	5.2E-3	0.014	0.022	0.036	0.077	0.12	0.23	0.033	0.04
AMS22	Janvier	57	91%	0	0	1.2E-3	7.2E-3	0.015	0.033	0.07	0.089	0.14	0.026	0.029





Particulate Matter <2.5µm Tested For Elements - Praseodymium (µg/m³) - 2021

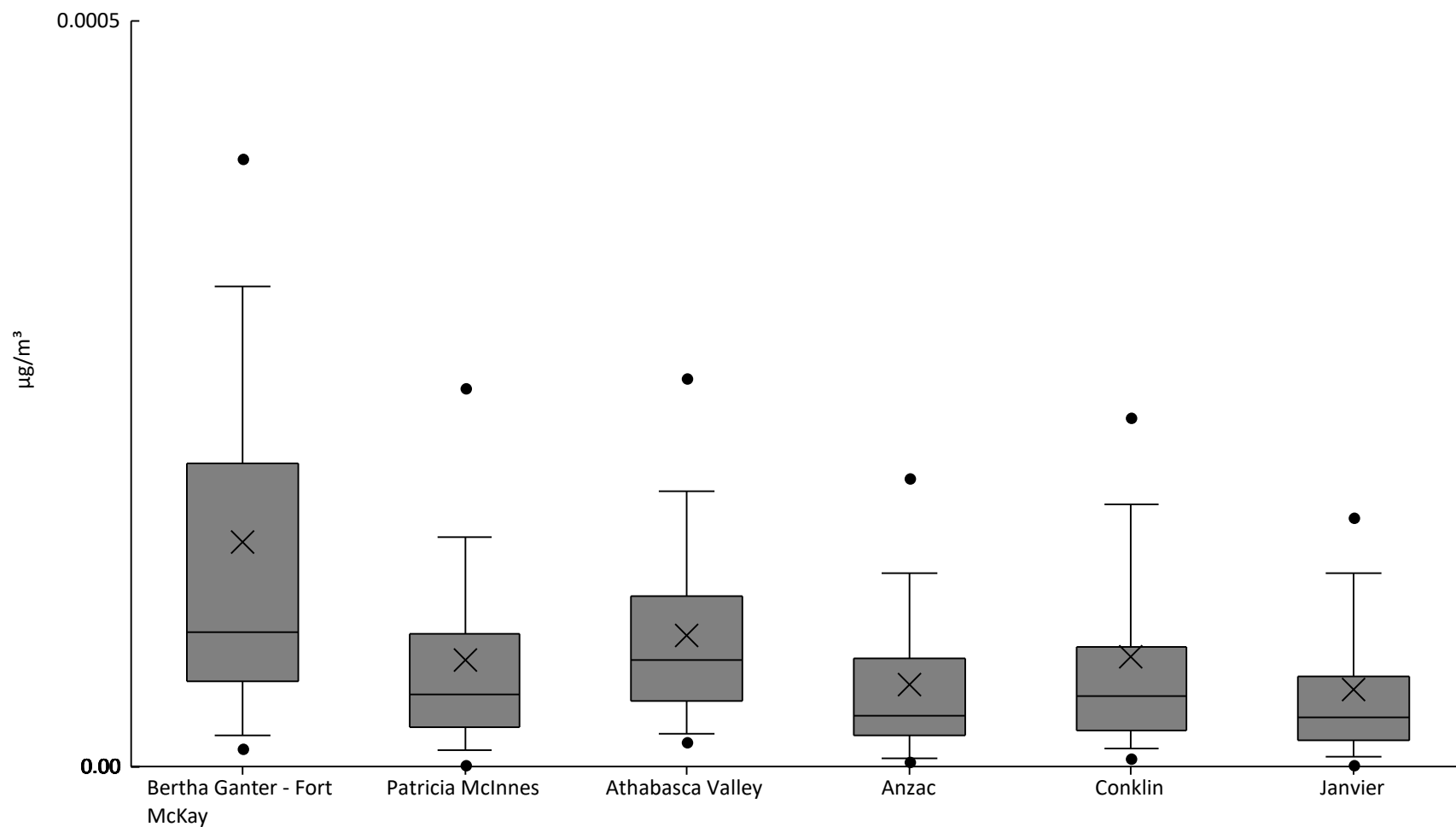
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	84%	0	0	1E-6	2E-6	7E-6	1.4E-5	2.8E-5	3.4E-5	8.6E-5	1.1E-5	1.5E-5
AMS06	Patricia McInnes	61	62%	0	0	0	1E-6	2E-6	5E-6	8E-6	1.1E-5	1.5E-5	3.3E-6	3.4E-6
AMS07	Athabasca Valley	58	78%	0	0	1E-6	2E-6	3.5E-6	7E-6	1E-5	1.3E-5	1.7E-5	4.6E-6	3.9E-6
AMS14	Anzac	60	58%	0	0	0	1E-6	2E-6	4E-6	7E-6	1E-5	4.2E-5	3.5E-6	5.7E-6
AMS21	Conklin	61	66%	0	0	0	1E-6	2E-6	5E-6	1.1E-5	1.9E-5	4.7E-5	4.8E-6	7.4E-6
AMS22	Janvier	57	65%	0	0	0	1E-6	2E-6	4E-6	7.8E-6	1.2E-5	2.1E-5	3.3E-6	3.9E-6





Particulate Matter <2.5µm Tested For Elements - Rubidium (µg/m³) - 2021

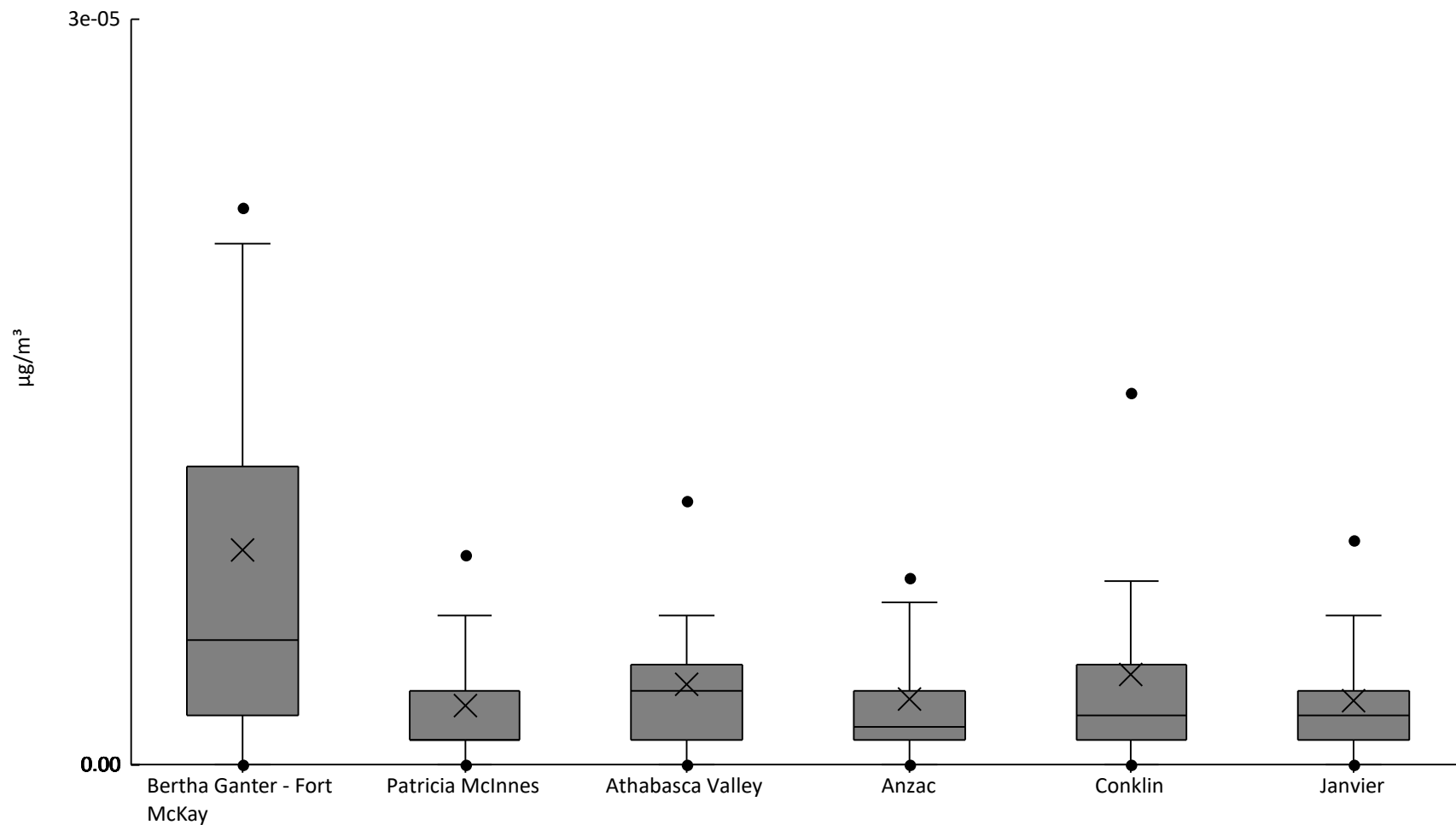
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	3E-6	1.2E-5	2.1E-5	5.7E-5	9E-5	2E-4	3.2E-4	4.1E-4	9.7E-4	1.5E-4	1.7E-4
AMS06	Patricia McInnes	61	93%	0	1.1E-6	1.1E-5	2.7E-5	4.8E-5	8.9E-5	1.5E-4	2.5E-4	3.3E-4	7.2E-5	7.1E-5
AMS07	Athabasca Valley	58	100%	7E-6	1.6E-5	2.2E-5	4.4E-5	7.2E-5	1.1E-4	1.8E-4	2.6E-4	3.1E-4	8.8E-5	6.8E-5
AMS14	Anzac	60	93%	0	3E-6	5E-6	2.1E-5	3.5E-5	7.3E-5	1.3E-4	1.9E-4	2.7E-4	5.5E-5	6E-5
AMS21	Conklin	61	95%	0	5.8E-6	1.2E-5	2.4E-5	4.7E-5	8E-5	1.8E-4	2.3E-4	6.5E-4	7.4E-5	9.8E-5
AMS22	Janvier	57	93%	0	1.1E-6	7E-6	1.8E-5	3.3E-5	6.1E-5	1.3E-4	1.7E-4	2.8E-4	5.1E-5	5.5E-5





Particulate Matter <2.5µm Tested For Elements - Samarium (µg/m³) - 2021

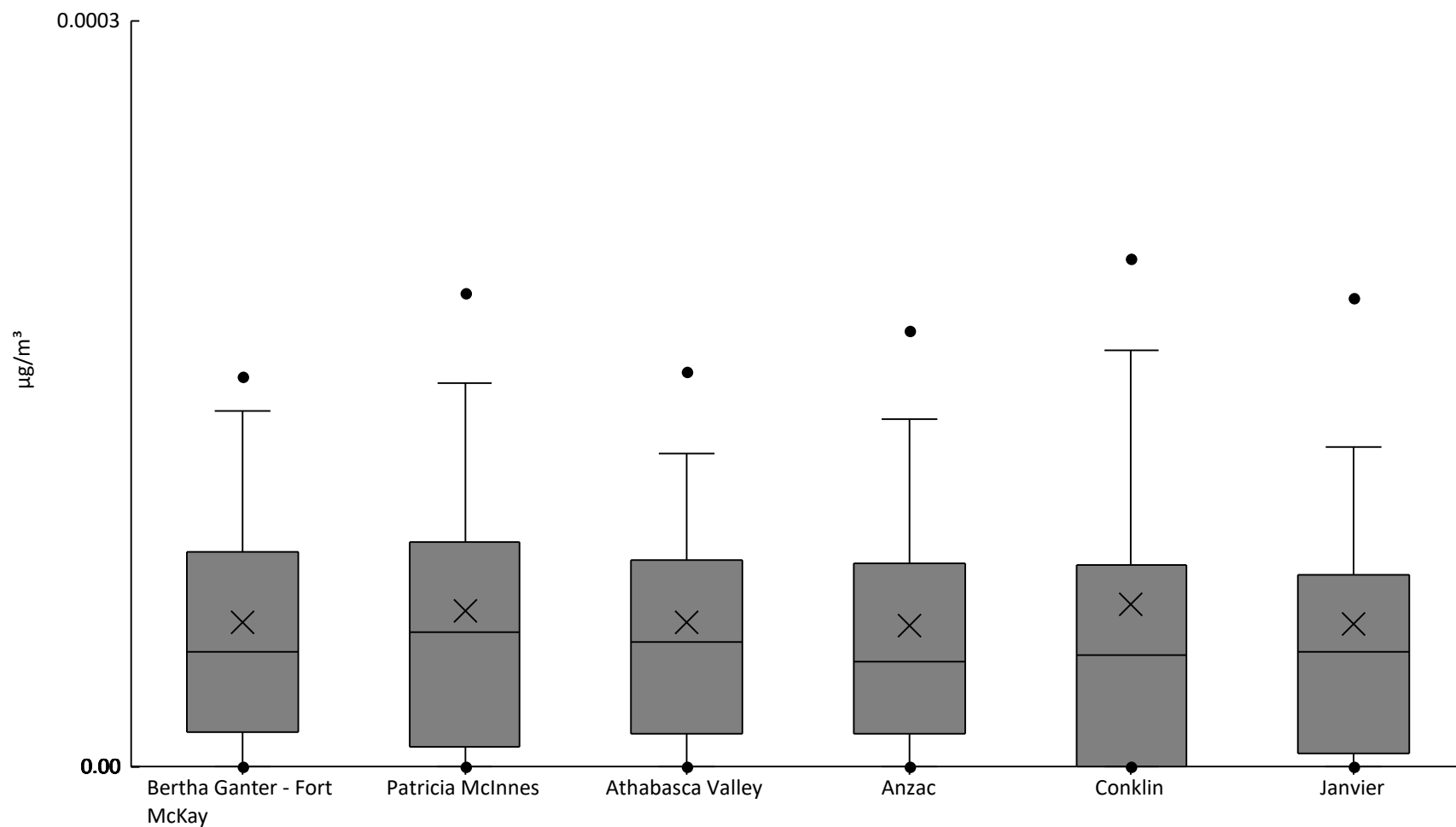
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	48%	0	0	0	2E-6	5E-6	1.2E-5	2.1E-5	2.2E-5	6E-5	8.7E-6	1.1E-5
AMS06	Patricia McInnes	61	11%	0	0	0	1E-6	1E-6	3E-6	6E-6	8.5E-6	1E-5	2.4E-6	2.5E-6
AMS07	Athabasca Valley	58	17%	0	0	0	1E-6	3E-6	4E-6	6E-6	1.1E-5	1.2E-5	3.2E-6	2.9E-6
AMS14	Anzac	60	12%	0	0	0	1E-6	1.5E-6	3E-6	6.5E-6	7.5E-6	3.6E-5	2.7E-6	4.9E-6
AMS21	Conklin	61	18%	0	0	0	1E-6	2E-6	4E-6	7.4E-6	1.5E-5	3.4E-5	3.6E-6	5.6E-6
AMS22	Janvier	57	12%	0	0	0	1E-6	2E-6	3E-6	6E-6	9E-6	1.9E-5	2.6E-6	3.4E-6





Particulate Matter <2.5µm Tested For Elements - Selenium (µg/m³) - 2021

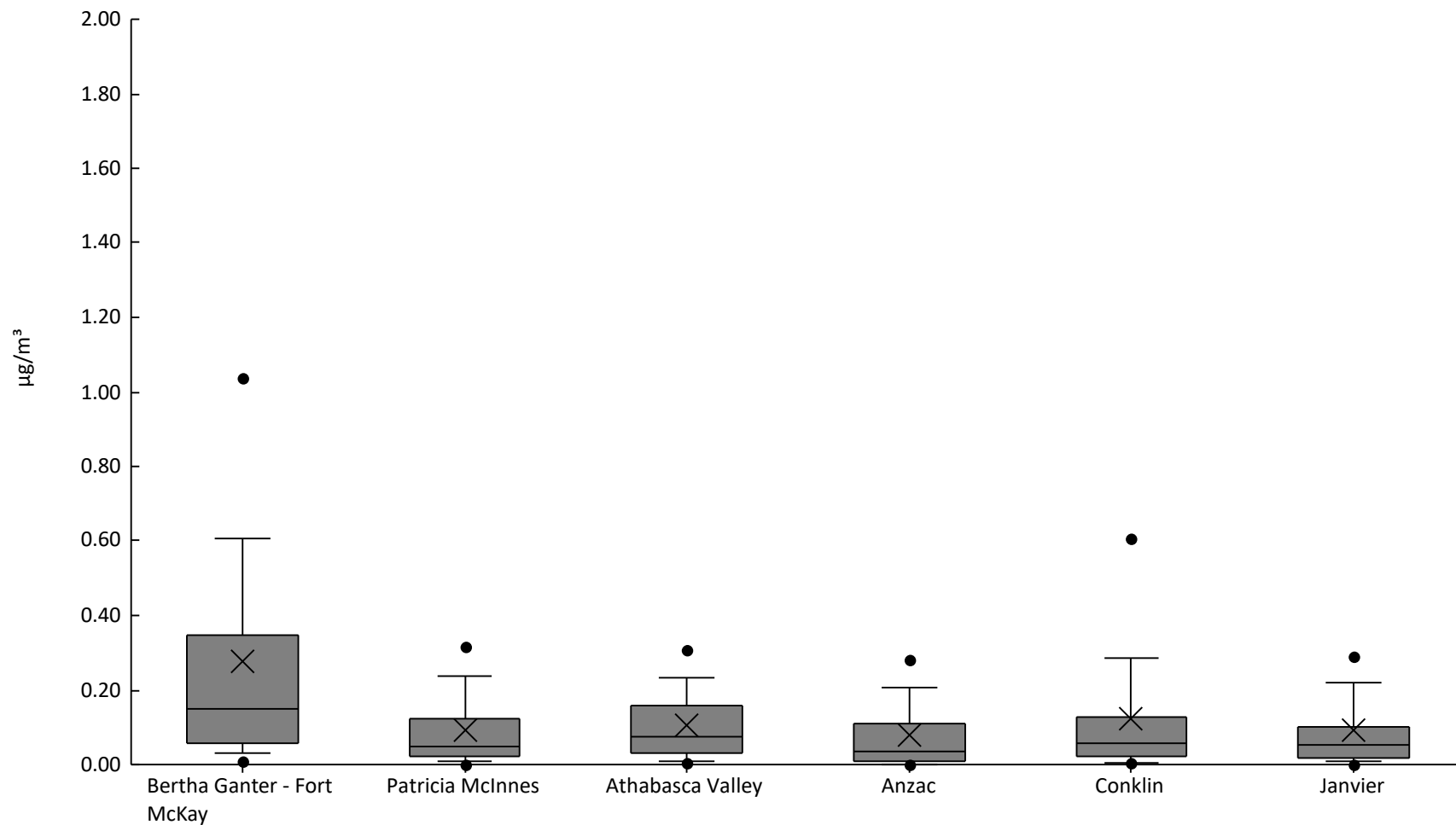
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	11%	0	0	0	1.4E-5	4.6E-5	8.7E-5	1.4E-4	1.6E-4	2.8E-4	5.8E-5	5.8E-5
AMS06	Patricia McInnes	61	11%	0	0	0	8E-6	5.4E-5	9E-5	1.5E-4	1.9E-4	2.1E-4	6.3E-5	5.8E-5
AMS07	Athabasca Valley	58	5%	0	0	0	1.3E-5	5E-5	8.3E-5	1.3E-4	1.6E-4	2.5E-4	5.8E-5	5.6E-5
AMS14	Anzac	60	10%	0	0	0	1.3E-5	4.2E-5	8.2E-5	1.4E-4	1.8E-4	3.1E-4	5.7E-5	6.1E-5
AMS21	Conklin	61	13%	0	0	0	0	4.5E-5	8.1E-5	1.7E-4	2E-4	4E-4	6.5E-5	8E-5
AMS22	Janvier	57	9%	0	0	0	5.5E-6	4.6E-5	7.7E-5	1.3E-4	1.9E-4	3.3E-4	5.7E-5	6.4E-5





Particulate Matter <2.5µm Tested For Elements - Silicon (µg/m³) - 2021

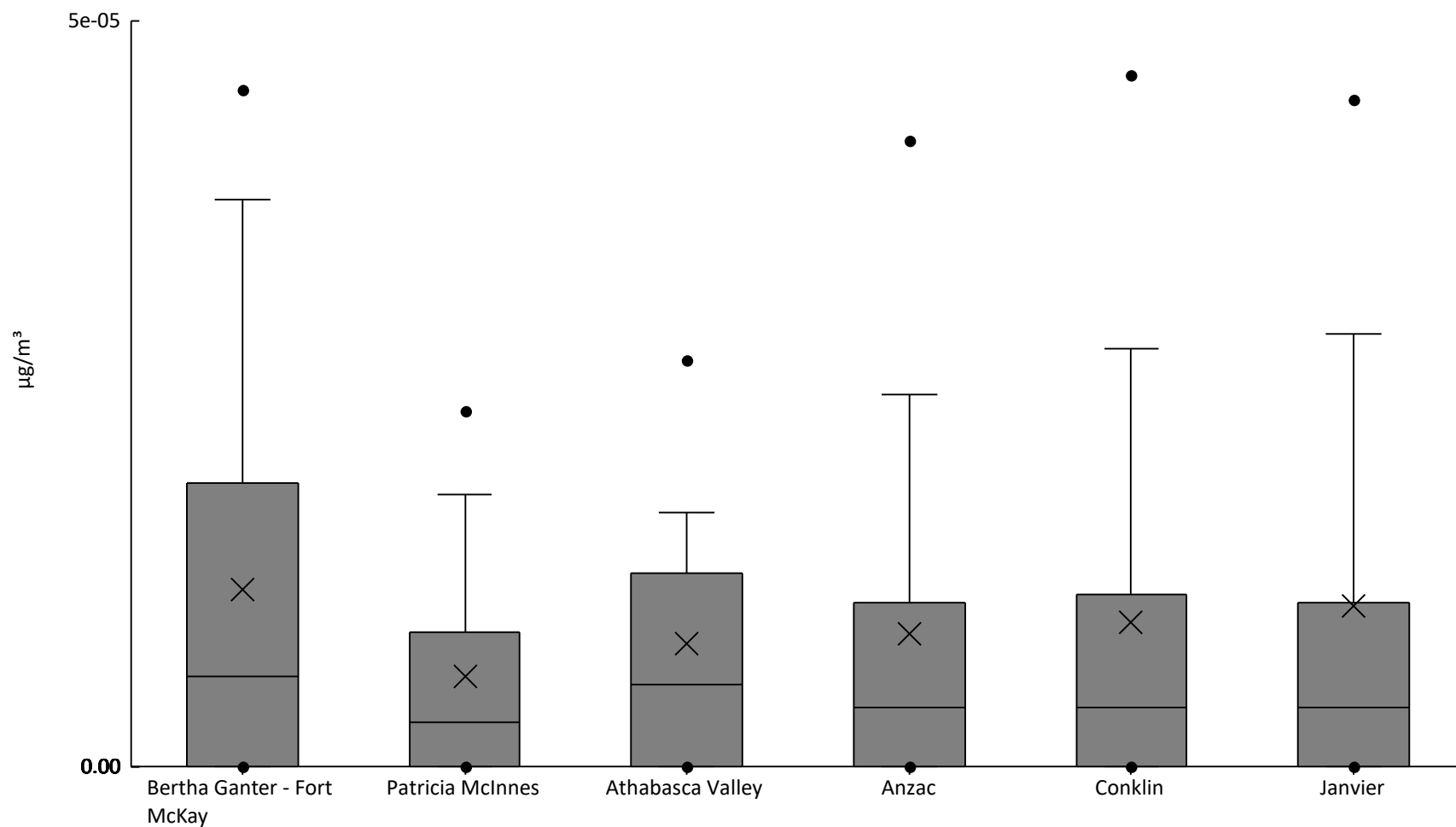
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	93%	0	7.9E-3	0.031	0.057	0.15	0.35	0.6	1	2.3	0.28	0.39
AMS06	Patricia McInnes	61	87%	0	9.9E-4	6.8E-3	0.022	0.047	0.12	0.24	0.32	0.41	0.091	0.1
AMS07	Athabasca Valley	58	91%	2.7E-3	5.4E-3	0.011	0.032	0.076	0.16	0.23	0.31	0.43	0.11	0.098
AMS14	Anzac	60	73%	0	0	5.4E-4	9.6E-3	0.035	0.11	0.21	0.28	0.54	0.077	0.098
AMS21	Conklin	61	85%	0	2.7E-3	4.1E-3	0.022	0.059	0.13	0.29	0.61	0.86	0.12	0.19
AMS22	Janvier	57	89%	0	0	7.9E-3	0.019	0.051	0.1	0.22	0.29	0.77	0.092	0.13





Particulate Matter <2.5µm Tested For Elements - Silver (µg/m³) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	51%	0	0	0	0	6E-6	1.9E-5	3.8E-5	4.5E-5	5.5E-5	1.2E-5	1.5E-5
AMS06	Patricia McInnes	61	38%	0	0	0	0	3E-6	9E-6	1.8E-5	2.4E-5	3.7E-5	6.1E-6	8.4E-6
AMS07	Athabasca Valley	58	50%	0	0	0	0	5.5E-6	1.3E-5	1.7E-5	2.7E-5	5.6E-5	8.3E-6	1.1E-5
AMS14	Anzac	60	38%	0	0	0	0	4E-6	1.1E-5	2.5E-5	4.2E-5	6.1E-5	8.9E-6	1.4E-5
AMS21	Conklin	61	39%	0	0	0	0	4E-6	1.2E-5	2.8E-5	4.6E-5	7.5E-5	9.7E-6	1.5E-5
AMS22	Janvier	57	42%	0	0	0	0	4E-6	1.1E-5	2.9E-5	4.5E-5	9.4E-5	1.1E-5	1.9E-5

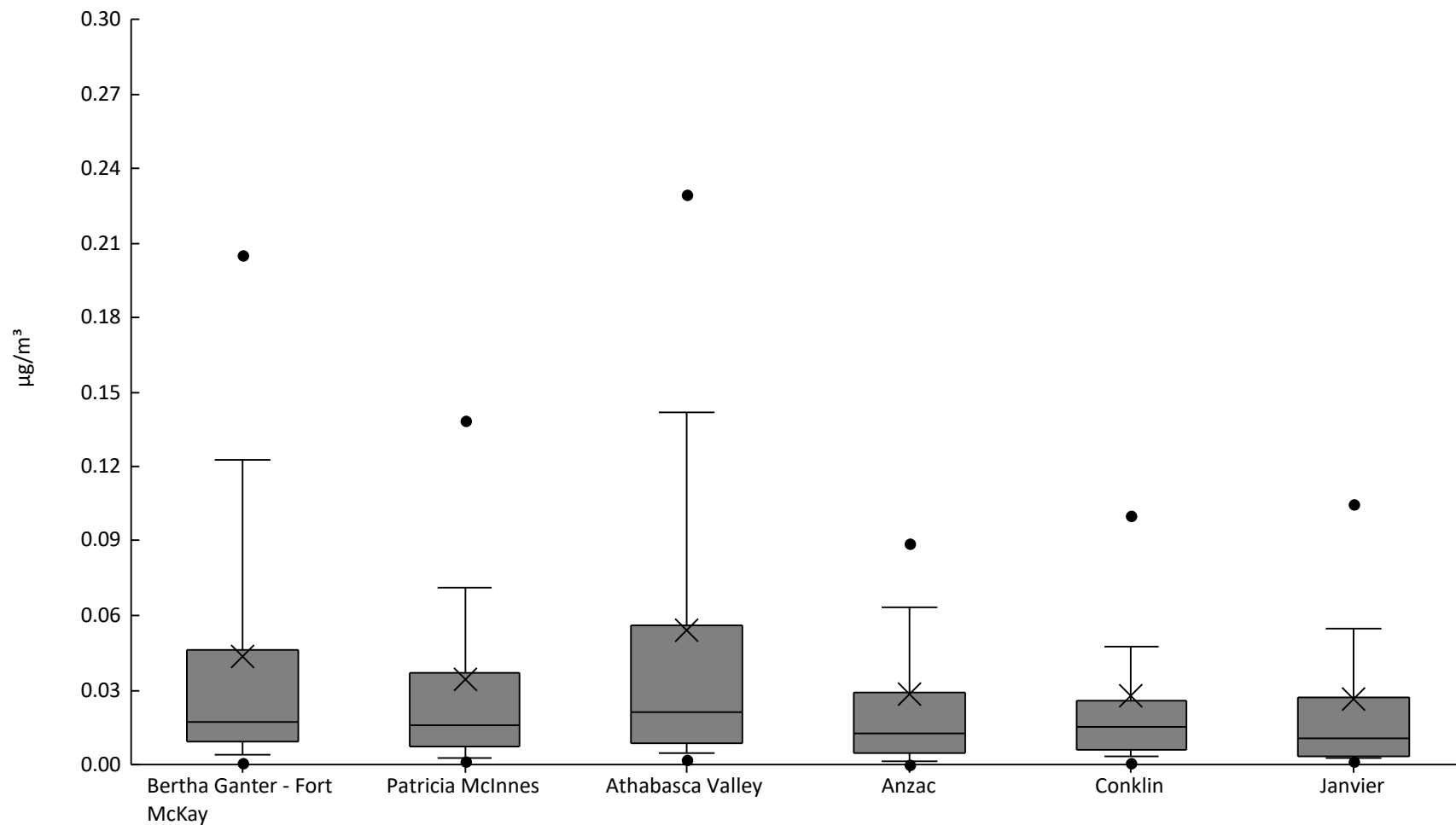






Particulate Matter <2.5µm Tested For Elements - Sodium (µg/m³) - 2021

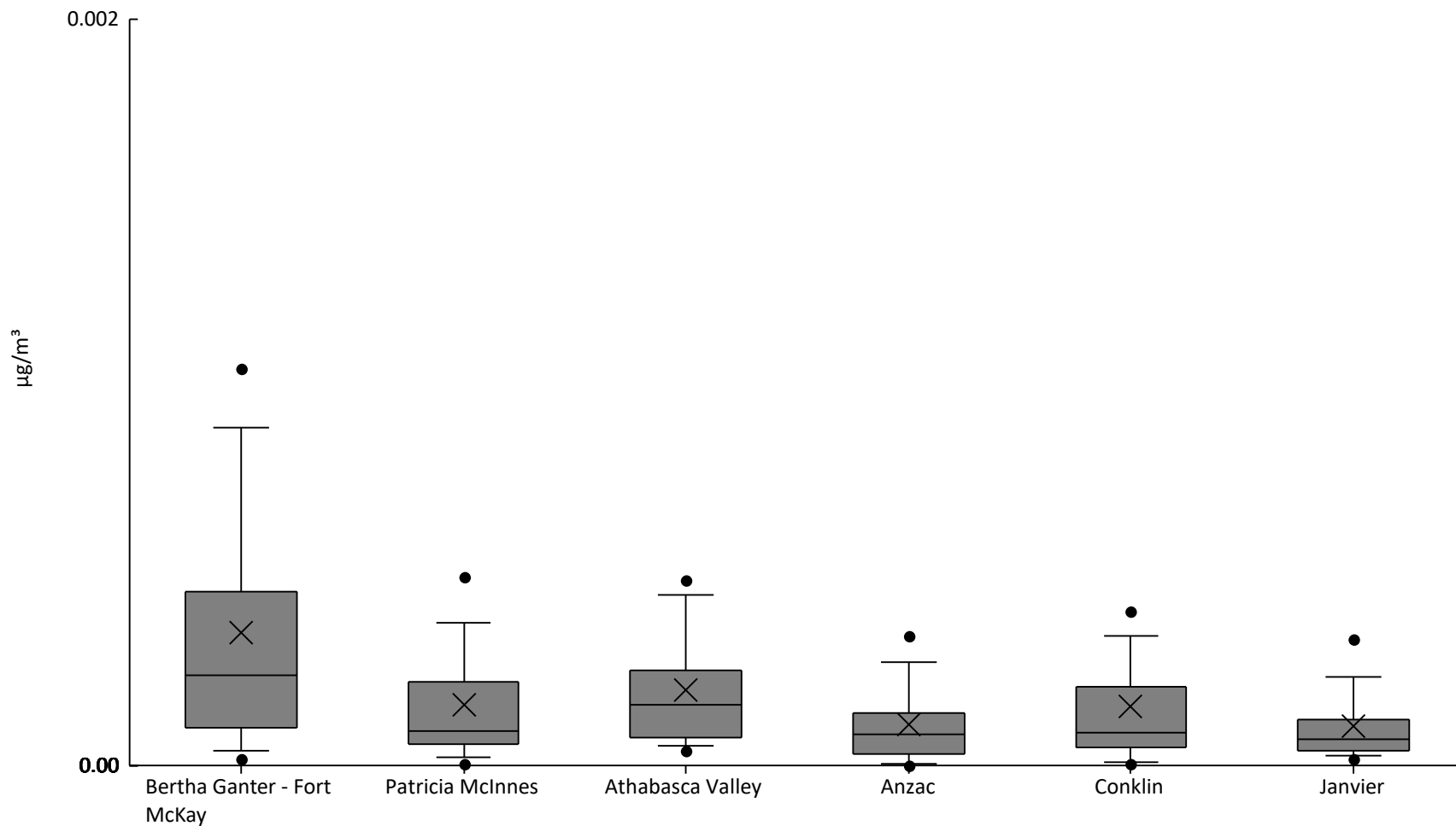
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	95%	0	7.4E-4	3.8E-3	8.9E-3	0.017	0.046	0.12	0.2	0.28	0.043	0.062
AMS06	Patricia McInnes	61	97%	0	1.5E-3	2.3E-3	7.1E-3	0.016	0.037	0.071	0.14	0.31	0.034	0.054
AMS07	Athabasca Valley	58	98%	0	2.1E-3	4.3E-3	8.3E-3	0.021	0.056	0.14	0.23	0.68	0.054	0.1
AMS14	Anzac	60	92%	0	2.6E-4	1.1E-3	4.8E-3	0.013	0.029	0.063	0.089	0.41	0.028	0.057
AMS21	Conklin	61	95%	0	7.2E-4	3.2E-3	6E-3	0.015	0.026	0.048	0.1	0.38	0.028	0.054
AMS22	Janvier	57	98%	1.1E-4	1.2E-3	2.4E-3	3.3E-3	0.011	0.027	0.054	0.11	0.36	0.027	0.052





Particulate Matter <2.5µm Tested For Elements - Strontium (µg/m³) - 2021

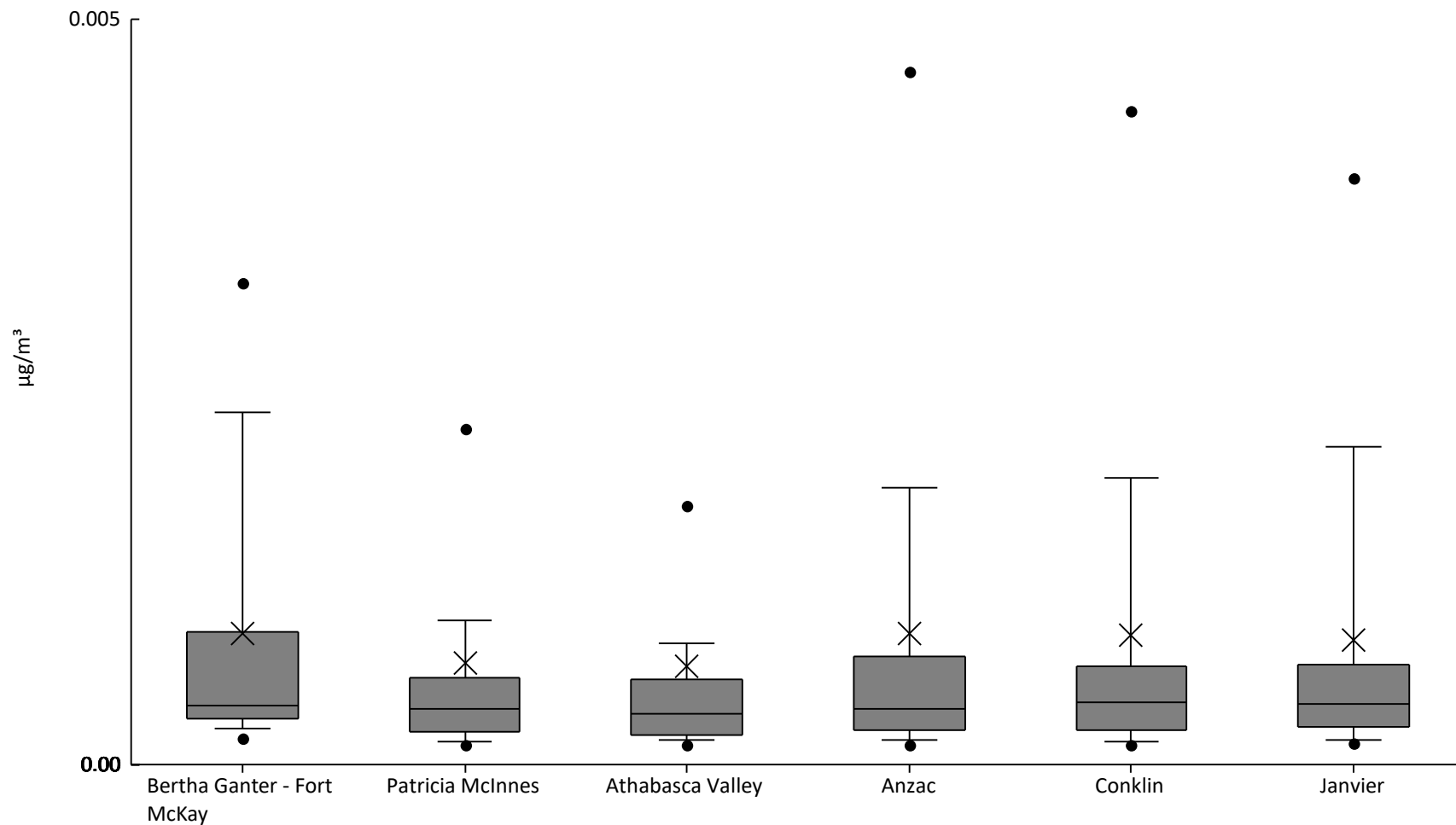
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	97%	0	2E-5	3.8E-5	1E-4	2.4E-4	4.7E-4	9.1E-4	1.1E-3	1.9E-3	3.6E-4	3.9E-4
AMS06	Patricia McInnes	61	92%	0	5E-6	2.3E-5	5.9E-5	9.3E-5	2.2E-4	3.8E-4	5E-4	9.5E-4	1.6E-4	1.7E-4
AMS07	Athabasca Valley	58	100%	1.9E-5	4E-5	5.1E-5	7.4E-5	1.6E-4	2.6E-4	4.6E-4	5E-4	7.4E-4	2E-4	1.5E-4
AMS14	Anzac	60	87%	0	0	5E-6	3.2E-5	8.4E-5	1.4E-4	2.8E-4	3.5E-4	4.5E-4	1.1E-4	1.1E-4
AMS21	Conklin	61	89%	0	3.6E-6	1.1E-5	4.7E-5	9E-5	2.1E-4	3.5E-4	4.1E-4	1.4E-3	1.6E-4	2.1E-4
AMS22	Janvier	57	96%	7E-6	1.5E-5	2.4E-5	3.8E-5	7E-5	1.2E-4	2.4E-4	3.4E-4	8.5E-4	1.1E-4	1.3E-4





Particulate Matter <2.5µm Tested For Elements - Tantalum (µg/m³) - 2021

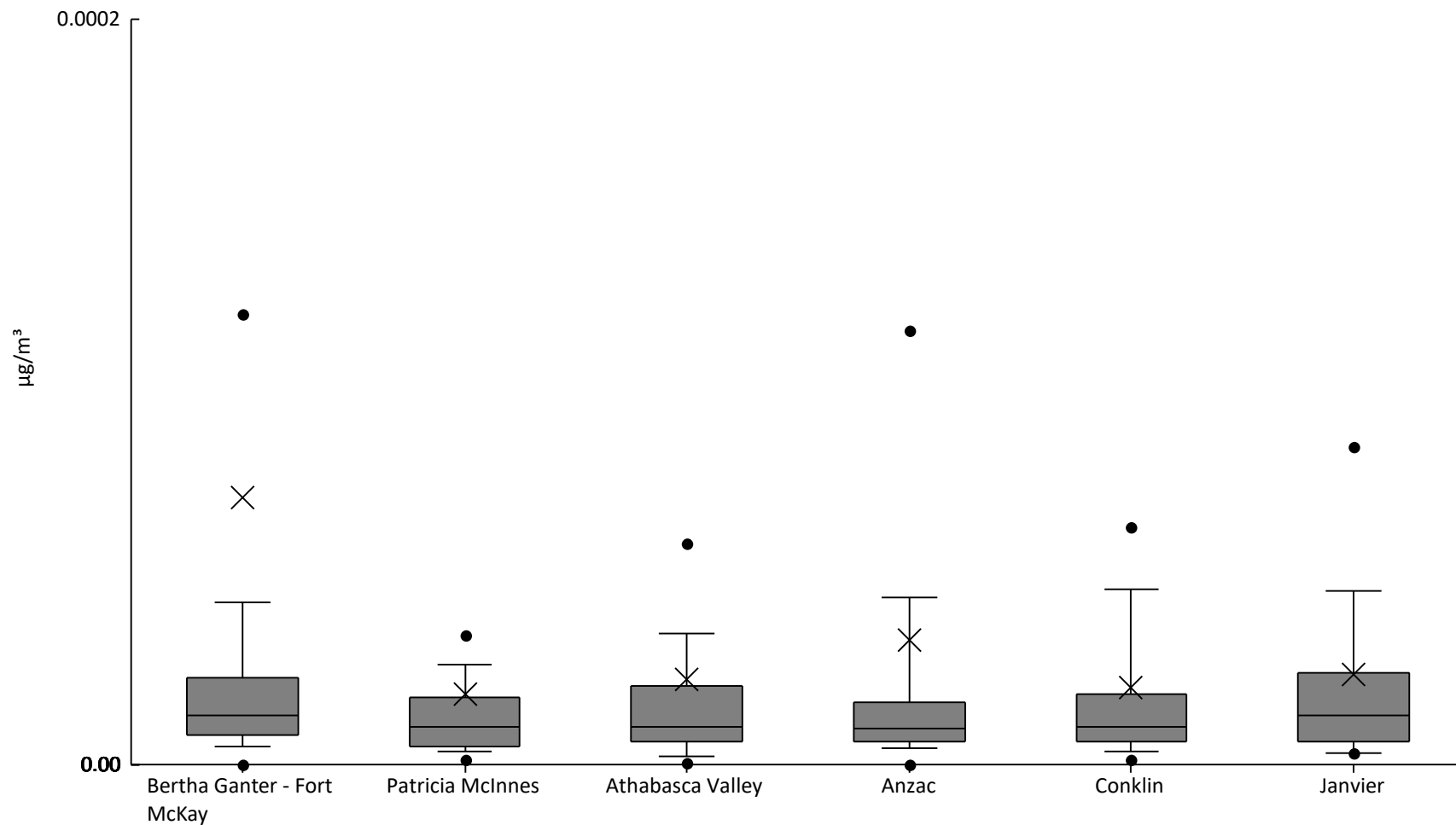
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	1.1E-4	1.7E-4	2.4E-4	3E-4	4E-4	8.9E-4	2.4E-3	3.2E-3	5.1E-3	8.7E-4	1.1E-3
AMS06	Patricia McInnes	61	100%	1.2E-4	1.4E-4	1.5E-4	2.2E-4	3.7E-4	5.8E-4	9.7E-4	2.3E-3	7.2E-3	6.8E-4	1.2E-3
AMS07	Athabasca Valley	58	100%	8E-5	1.3E-4	1.6E-4	2E-4	3.4E-4	5.7E-4	8.2E-4	1.7E-3	0.012	6.6E-4	1.6E-3
AMS14	Anzac	60	100%	9.7E-5	1.3E-4	1.7E-4	2.3E-4	3.7E-4	7.2E-4	1.9E-3	4.6E-3	7.5E-3	8.8E-4	1.5E-3
AMS21	Conklin	61	100%	7.2E-5	1.4E-4	1.6E-4	2.3E-4	4.2E-4	6.5E-4	1.9E-3	4.4E-3	8.2E-3	8.6E-4	1.4E-3
AMS22	Janvier	57	100%	1.3E-4	1.5E-4	1.6E-4	2.5E-4	4.1E-4	6.7E-4	2.1E-3	3.9E-3	7.5E-3	8.4E-4	1.3E-3





Particulate Matter <2.5µm Tested For Elements - Thallium (µg/m<sup>3</sup>) - 2021

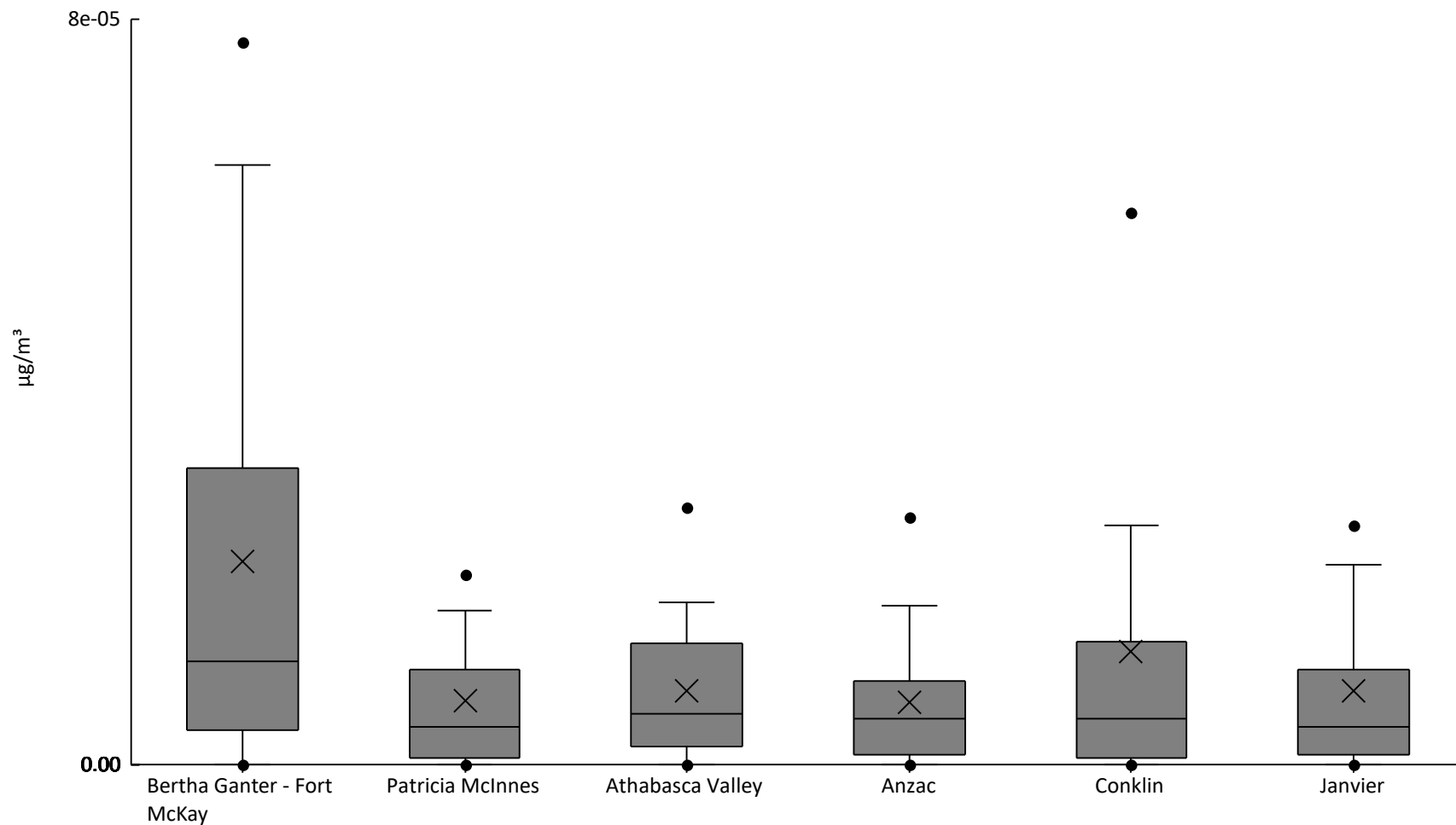
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	93%	0	0	5E-6	7.8E-6	1.3E-5	2.3E-5	4.3E-5	1.2E-4	3E-3	7.2E-5	3.8E-4
AMS06	Patricia McInnes	61	82%	0	1.1E-6	3.6E-6	5E-6	1E-5	1.8E-5	2.7E-5	3.5E-5	3.1E-4	1.9E-5	4.2E-5
AMS07	Athabasca Valley	58	81%	0	4E-7	2.3E-6	6E-6	1E-5	2.1E-5	3.5E-5	5.9E-5	4.4E-4	2.3E-5	5.9E-5
AMS14	Anzac	60	90%	0	0	4.5E-6	6E-6	9.5E-6	1.7E-5	4.5E-5	1.2E-4	7.6E-4	3.4E-5	1E-4
AMS21	Conklin	61	82%	0	1.1E-6	3.6E-6	6E-6	1E-5	1.9E-5	4.7E-5	6.4E-5	2.9E-4	2.1E-5	3.9E-5
AMS22	Janvier	57	82%	0	3E-6	3E-6	6E-6	1.3E-5	2.5E-5	4.7E-5	8.5E-5	2.3E-4	2.4E-5	4.1E-5





Particulate Matter <2.5µm Tested For Elements - Thorium (µg/m³) - 2021

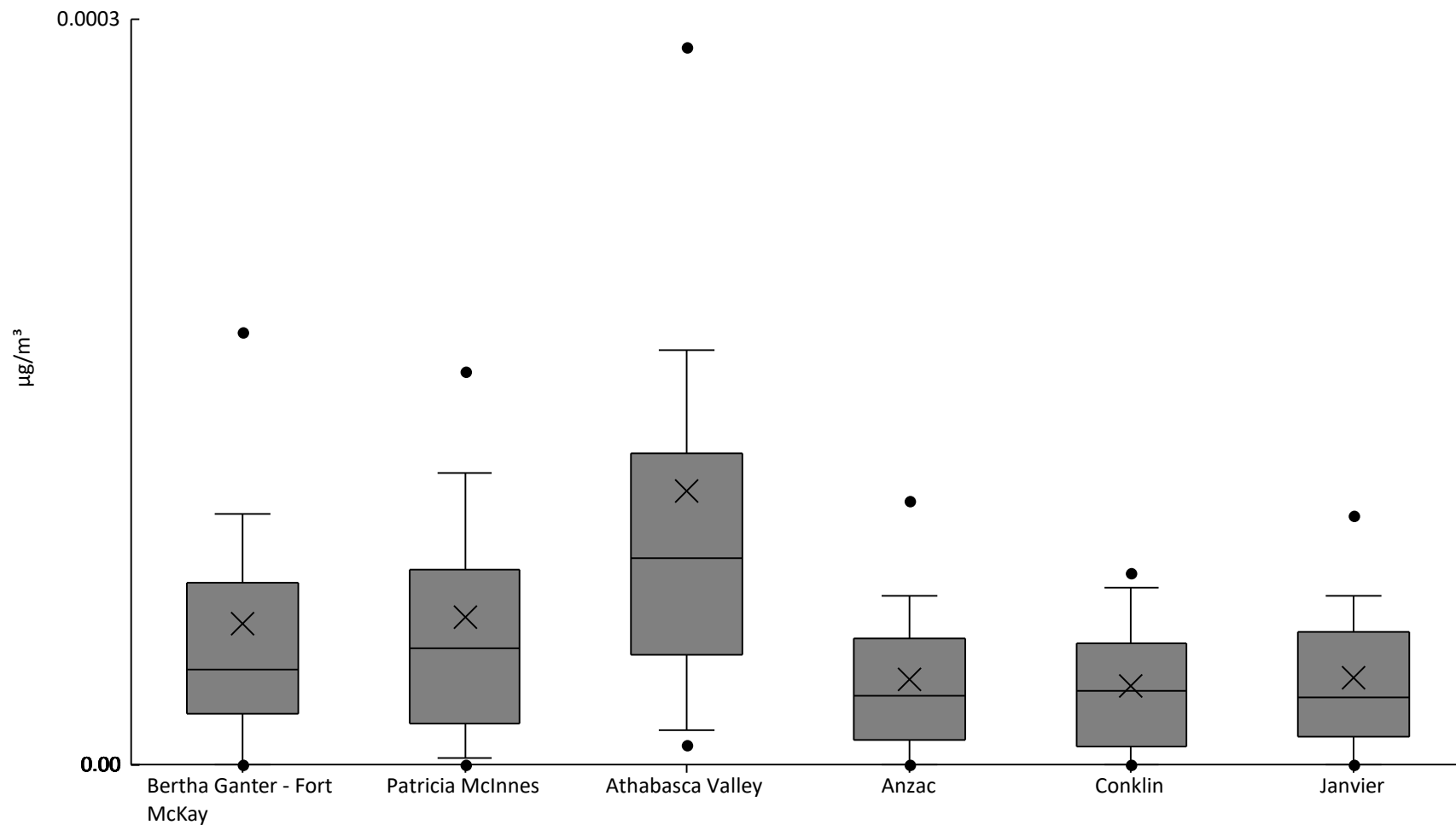
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	77%	0	0	0	3.8E-6	1.1E-5	3.2E-5	6.4E-5	7.8E-5	1.2E-4	2.2E-5	2.6E-5
AMS06	Patricia McInnes	61	61%	0	0	0	7.5E-7	4E-6	1E-5	1.7E-5	2E-5	4.1E-5	6.8E-6	8.4E-6
AMS07	Athabasca Valley	58	72%	0	0	0	2E-6	5.5E-6	1.3E-5	1.7E-5	2.8E-5	3.6E-5	8E-6	8.4E-6
AMS14	Anzac	60	62%	0	0	0	1E-6	5E-6	9E-6	1.7E-5	2.7E-5	3.5E-5	6.7E-6	8.1E-6
AMS21	Conklin	61	67%	0	0	0	7.5E-7	5E-6	1.3E-5	2.6E-5	5.9E-5	1.4E-4	1.2E-5	2.2E-5
AMS22	Janvier	57	74%	0	0	0	1E-6	4E-6	1E-5	2.1E-5	2.6E-5	4.9E-5	7.9E-6	1E-5





Particulate Matter <2.5µm Tested For Elements - Tin (µg/m³) - 2021

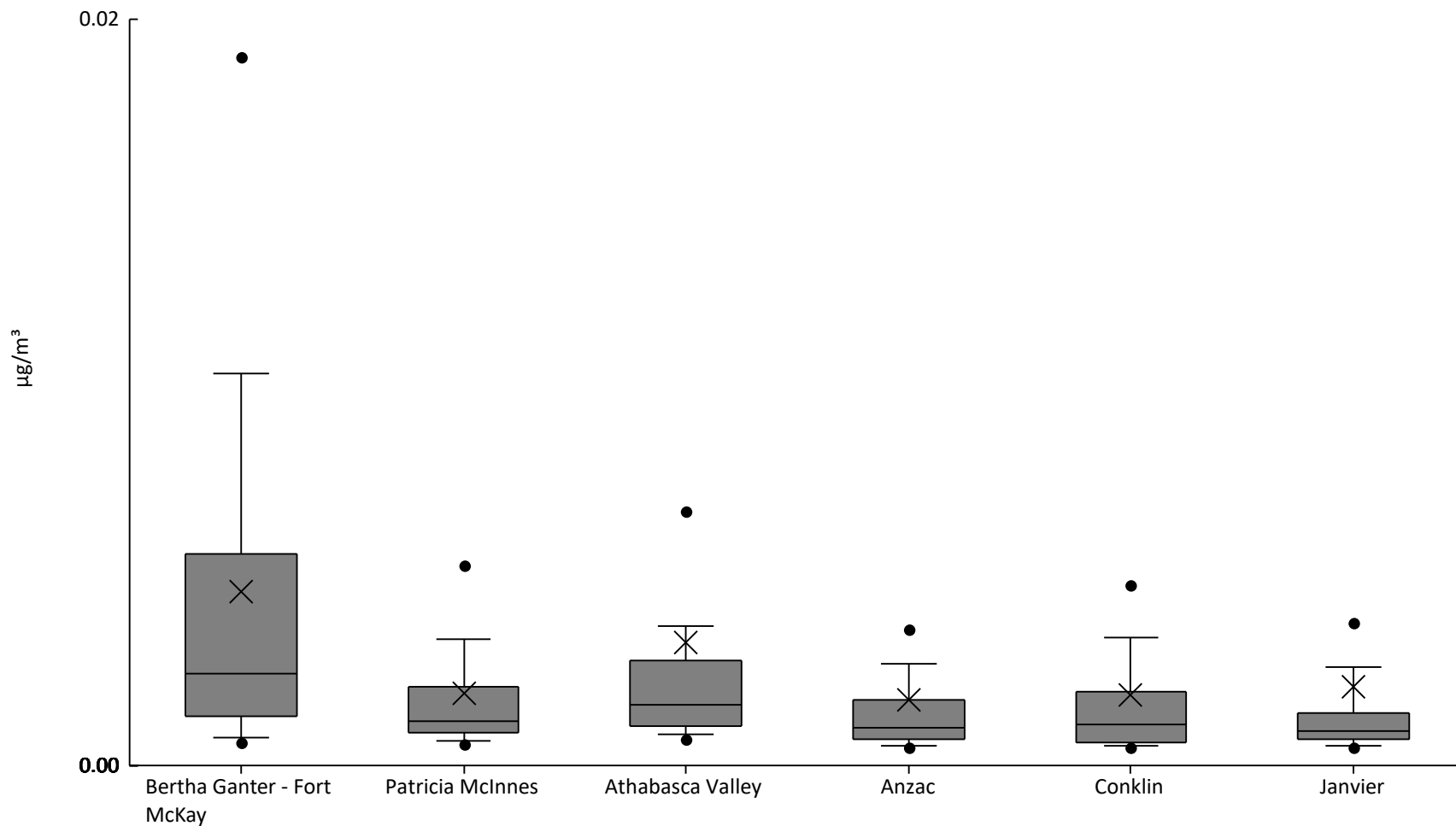
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	79%	0	0	0	2.1E-5	3.8E-5	7.3E-5	1E-4	1.7E-4	4.4E-4	5.7E-5	7.2E-5
AMS06	Patricia McInnes	61	84%	0	0	2.4E-6	1.7E-5	4.7E-5	7.9E-5	1.2E-4	1.6E-4	3.3E-4	5.9E-5	6.2E-5
AMS07	Athabasca Valley	58	93%	0	8E-6	1.4E-5	4.4E-5	8.3E-5	1.3E-4	1.7E-4	2.9E-4	1.2E-3	1.1E-4	1.7E-4
AMS14	Anzac	60	77%	0	0	0	1E-5	2.8E-5	5.1E-5	6.8E-5	1.1E-4	1.7E-4	3.4E-5	3.3E-5
AMS21	Conklin	61	72%	0	0	0	7E-6	3E-5	4.9E-5	7.1E-5	7.7E-5	1.1E-4	3.2E-5	2.7E-5
AMS22	Janvier	57	77%	0	0	0	1.1E-5	2.7E-5	5.3E-5	6.8E-5	1E-4	1.9E-4	3.5E-5	3.5E-5





Particulate Matter <2.5µm Tested For Elements - Titanium (µg/m³) - 2021

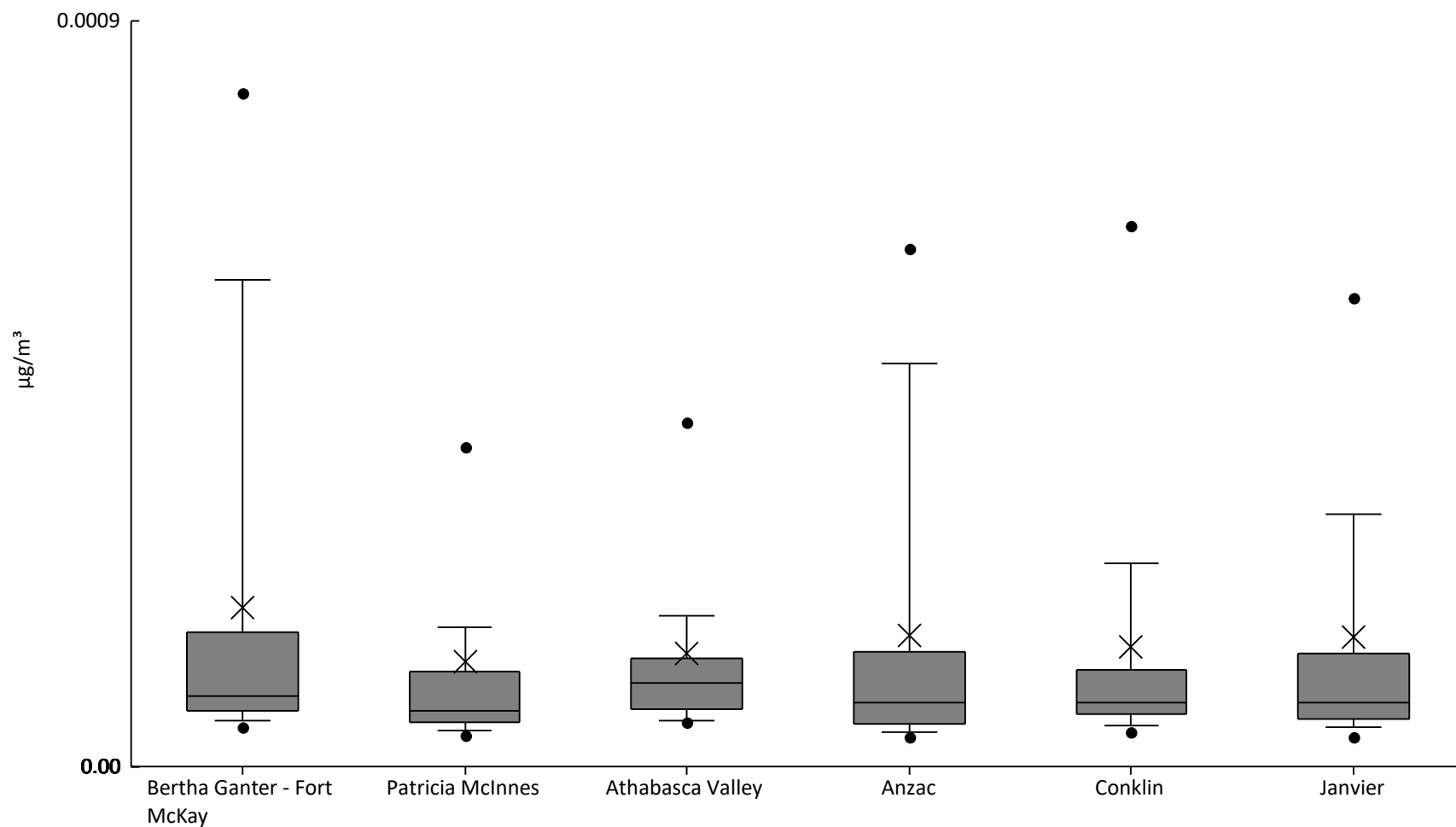
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	4.7E-4	6.3E-4	7.6E-4	1.3E-3	2.5E-3	5.7E-3	0.01	0.019	0.032	4.7E-3	5.9E-3
AMS06	Patricia McInnes	61	100%	3.2E-4	5.8E-4	6.6E-4	8.6E-4	1.2E-3	2.1E-3	3.4E-3	5.4E-3	0.018	1.9E-3	2.4E-3
AMS07	Athabasca Valley	58	100%	6E-4	6.8E-4	8.1E-4	1.1E-3	1.6E-3	2.8E-3	3.7E-3	6.8E-3	0.051	3.3E-3	7.3E-3
AMS14	Anzac	60	100%	3.3E-4	4.8E-4	5.2E-4	7E-4	1E-3	1.8E-3	2.7E-3	3.7E-3	0.027	1.7E-3	3.4E-3
AMS21	Conklin	61	100%	2.2E-4	4.7E-4	5.4E-4	6.2E-4	1.1E-3	2E-3	3.4E-3	4.8E-3	0.018	1.9E-3	2.7E-3
AMS22	Janvier	57	100%	4.4E-4	4.9E-4	5.5E-4	6.8E-4	9.4E-4	1.4E-3	2.6E-3	3.8E-3	0.051	2.1E-3	6.6E-3





Particulate Matter <2.5µm Tested For Elements - Tungsten (µg/m³) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	3.4E-5	4.7E-5	5.5E-5	6.7E-5	8.5E-5	1.6E-4	5.9E-4	8.1E-4	1.4E-3	1.9E-4	2.6E-4
AMS06	Patricia McInnes	61	100%	3.1E-5	3.7E-5	4.4E-5	5.4E-5	6.8E-5	1.2E-4	1.7E-4	3.9E-4	1.2E-3	1.3E-4	2.1E-4
AMS07	Athabasca Valley	58	100%	2.4E-5	5.3E-5	5.6E-5	7E-5	1E-4	1.3E-4	1.8E-4	4.2E-4	1.2E-3	1.4E-4	1.7E-4
AMS14	Anzac	60	100%	2.8E-5	3.6E-5	4.2E-5	5.2E-5	7.8E-5	1.4E-4	4.9E-4	6.2E-4	1.1E-3	1.6E-4	2.2E-4
AMS21	Conklin	61	100%	3E-5	4.2E-5	4.9E-5	6.3E-5	7.7E-5	1.2E-4	2.5E-4	6.5E-4	1.3E-3	1.4E-4	2.1E-4
AMS22	Janvier	57	100%	3.5E-5	3.6E-5	4.8E-5	5.7E-5	7.7E-5	1.4E-4	3.1E-4	5.7E-4	1.3E-3	1.6E-4	2.3E-4

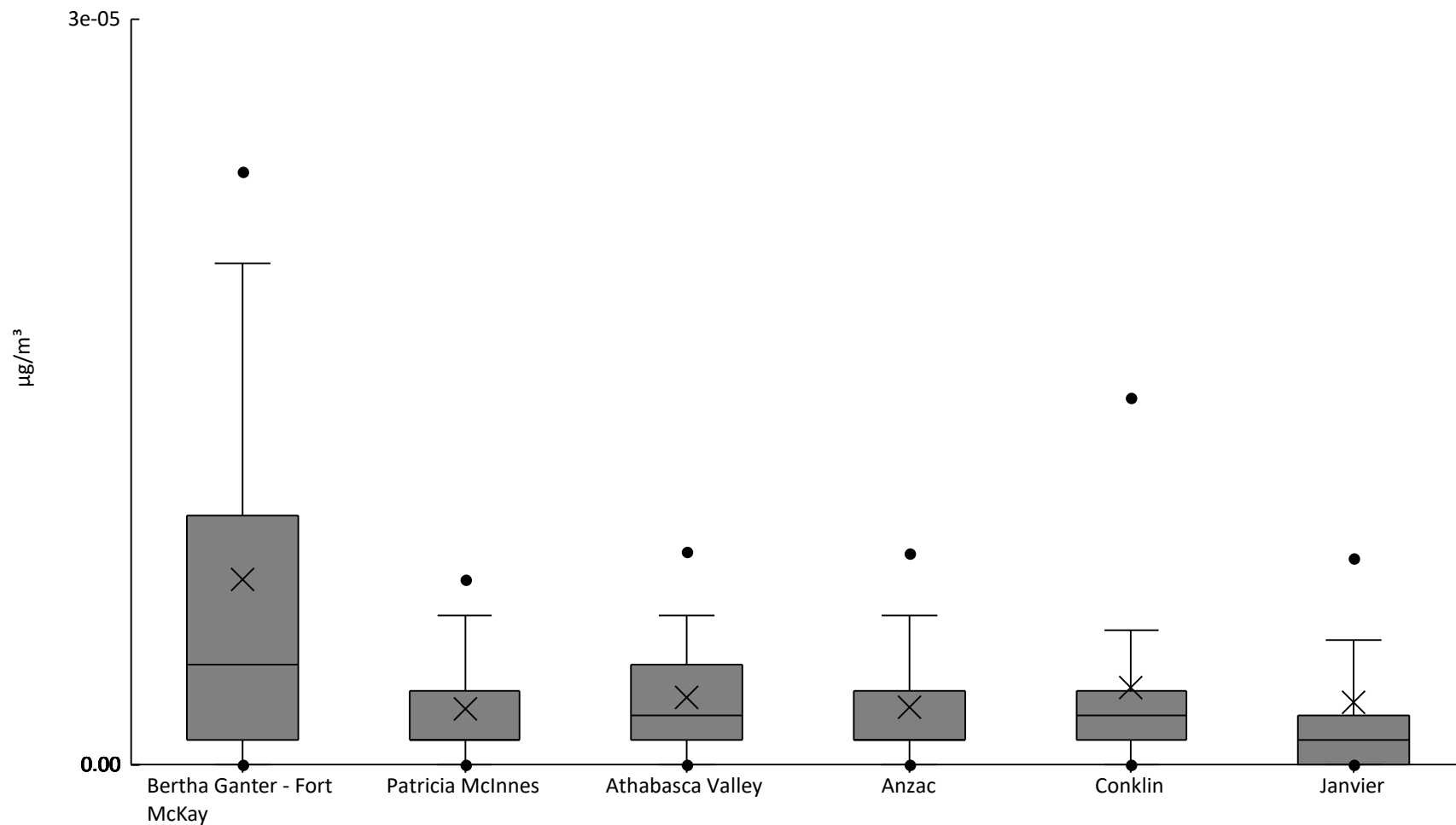






Particulate Matter <2.5µm Tested For Elements - Uranium (µg/m³) - 2021

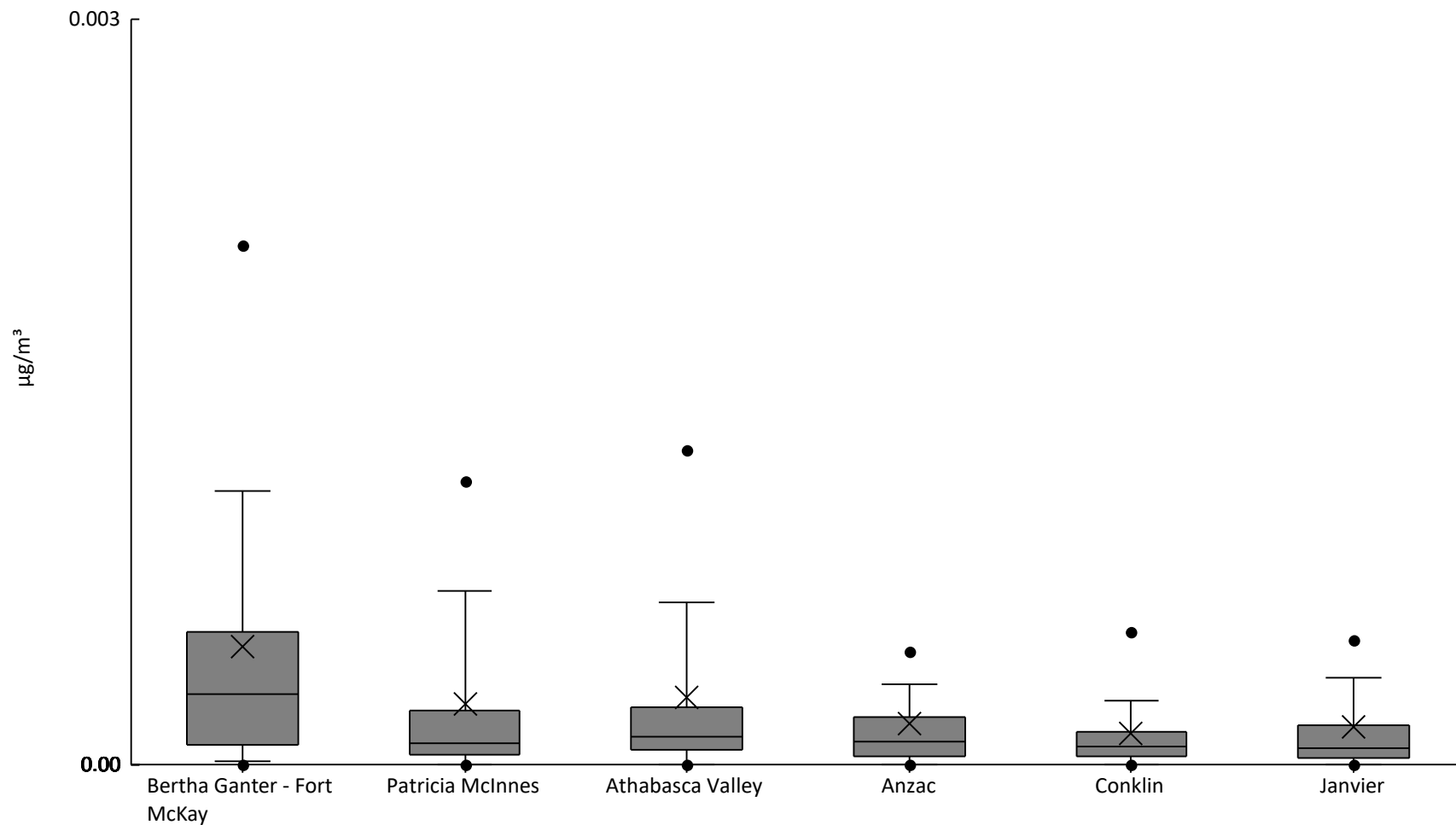
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	59%	0	0	0	1E-6	4E-6	1E-5	2E-5	2.4E-5	7.1E-5	7.5E-6	1.1E-5
AMS06	Patricia McInnes	61	33%	0	0	0	1E-6	1E-6	3E-6	6E-6	7.5E-6	1.3E-5	2.2E-6	2.6E-6
AMS07	Athabasca Valley	58	41%	0	0	0	1E-6	2E-6	4E-6	6E-6	8.6E-6	1E-5	2.7E-6	2.4E-6
AMS14	Anzac	60	32%	0	0	0	1E-6	1E-6	3E-6	6E-6	8.5E-6	1.4E-5	2.3E-6	2.7E-6
AMS21	Conklin	61	33%	0	0	0	1E-6	2E-6	3E-6	5.4E-6	1.5E-5	3.1E-5	3.1E-6	5.9E-6
AMS22	Janvier	57	23%	0	0	0	0	1E-6	2E-6	5E-6	8.3E-6	3.3E-5	2.5E-6	4.9E-6





Particulate Matter <2.5µm Tested For Elements - Vanadium (µg/m³) - 2021

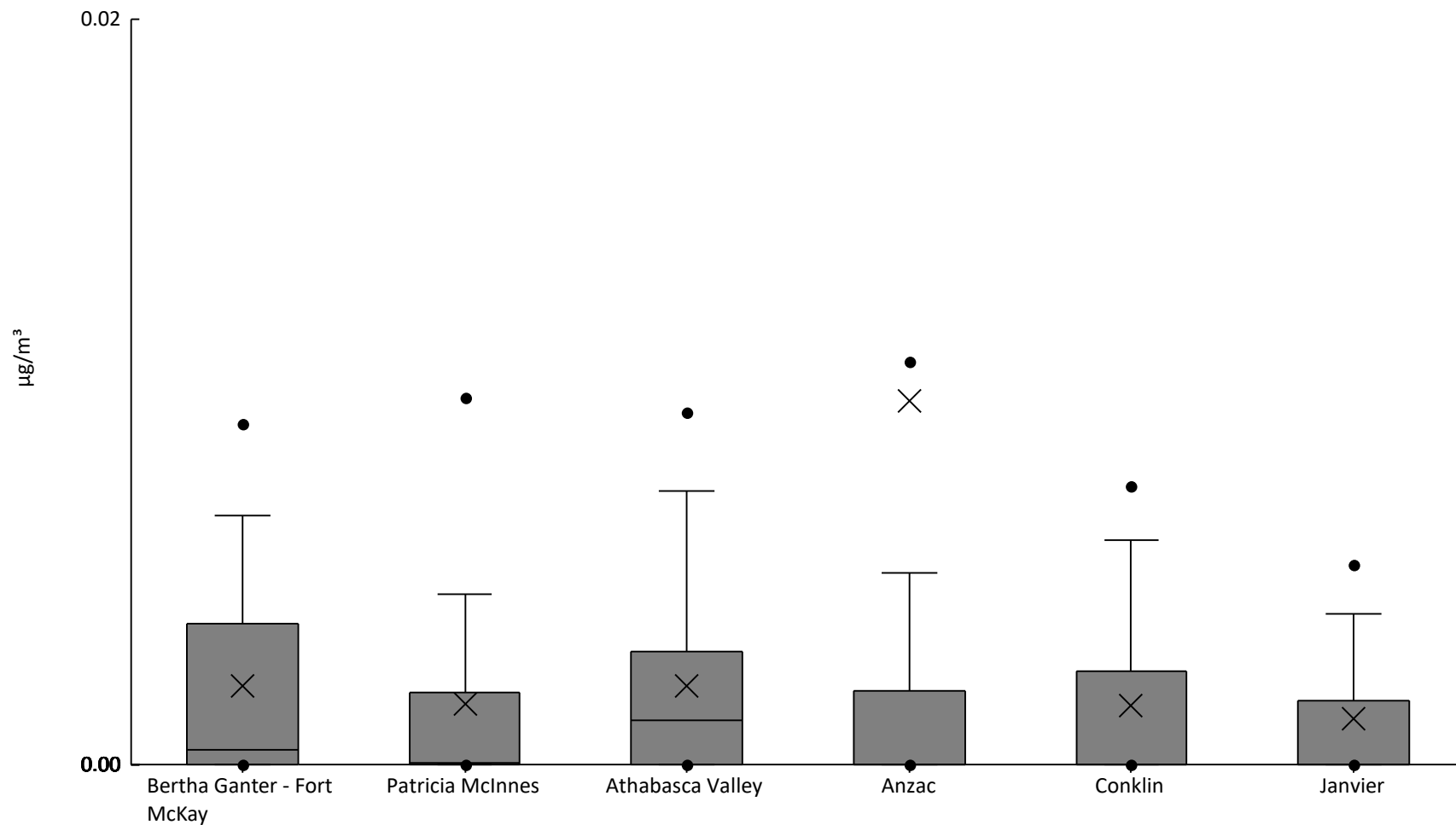
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	89%	0	0	1E-5	7.8E-5	2.8E-4	5.4E-4	1.1E-3	2.1E-3	2.7E-3	4.7E-4	6E-4
AMS06	Patricia McInnes	61	84%	0	0	0	4E-5	8.5E-5	2.2E-4	7E-4	1.1E-3	2.7E-3	2.5E-4	4.5E-4
AMS07	Athabasca Valley	58	83%	0	0	0	6E-5	1.1E-4	2.3E-4	6.5E-4	1.3E-3	2.8E-3	2.7E-4	4.6E-4
AMS14	Anzac	60	80%	0	0	0	3E-5	9.6E-5	1.9E-4	3.2E-4	4.5E-4	1.7E-3	1.7E-4	2.9E-4
AMS21	Conklin	61	80%	0	0	0	3.3E-5	7.3E-5	1.3E-4	2.6E-4	5.4E-4	1.1E-3	1.2E-4	1.9E-4
AMS22	Janvier	57	77%	0	0	0	2.4E-5	6.9E-5	1.6E-4	3.5E-4	5E-4	2.4E-3	1.5E-4	3.4E-4





Particulate Matter <2.5µm Tested For Elements - Zinc (µg/m³) - 2021

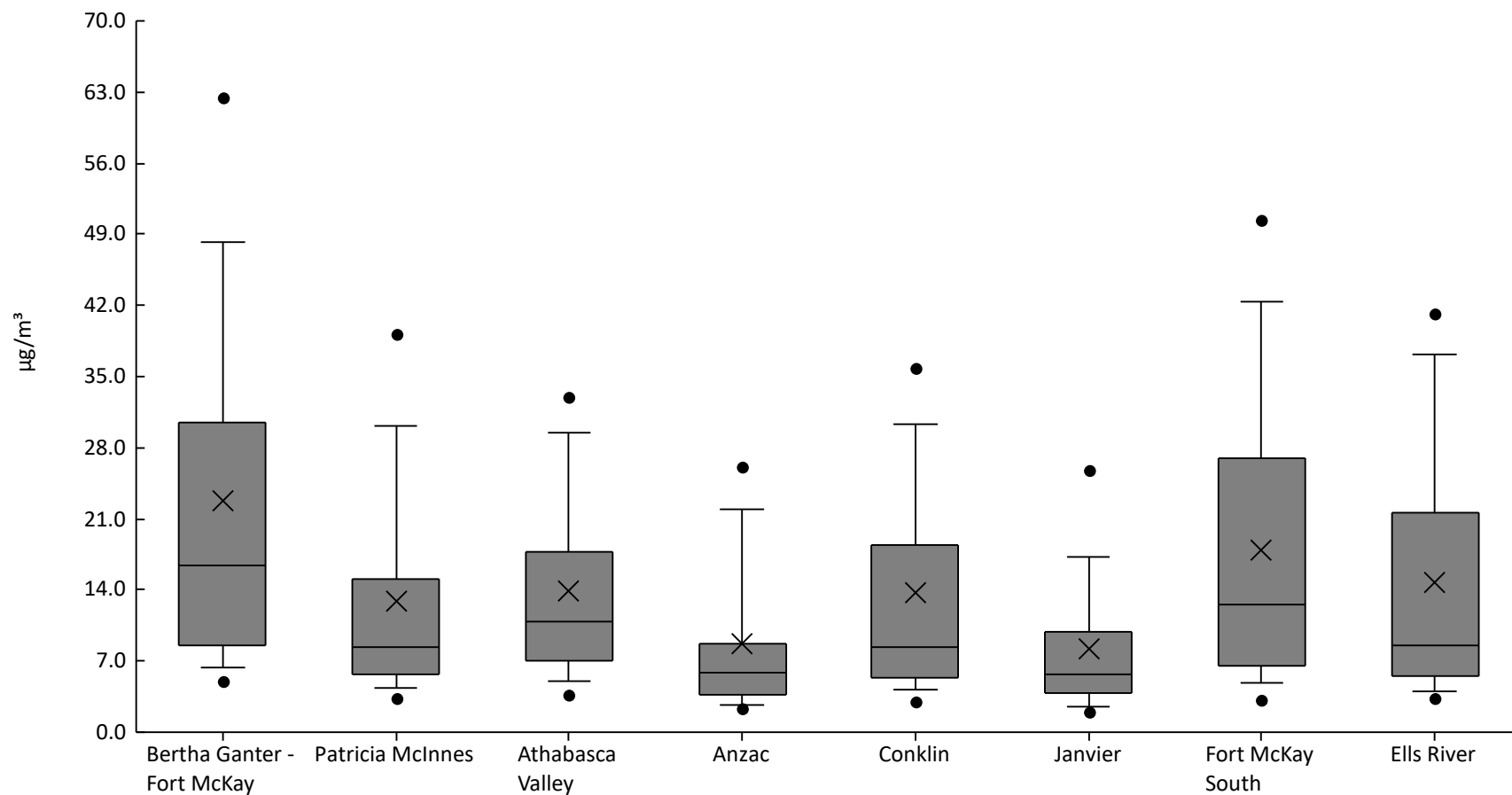
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	51%	0	0	0	0	4.2E-4	3.8E-3	6.7E-3	9.1E-3	0.016	2.1E-3	3.3E-3
AMS06	Patricia McInnes	61	49%	0	0	0	0	2.5E-5	1.9E-3	4.6E-3	9.8E-3	0.014	1.6E-3	3E-3
AMS07	Athabasca Valley	58	60%	0	0	0	0	1.2E-3	3E-3	7.3E-3	9.4E-3	0.011	2.1E-3	2.9E-3
AMS14	Anzac	60	38%	0	0	0	0	0	2E-3	5.1E-3	0.011	0.38	9.7E-3	0.052
AMS21	Conklin	61	39%	0	0	0	0	0	2.5E-3	6E-3	7.5E-3	0.013	1.6E-3	2.8E-3
AMS22	Janvier	57	37%	0	0	0	0	0	1.7E-3	4E-3	5.3E-3	0.012	1.2E-3	2.3E-3





Particulate Matter <10µm Tested For Elements - Particulate Matter (µg/m<sup>3</sup>) - 2021

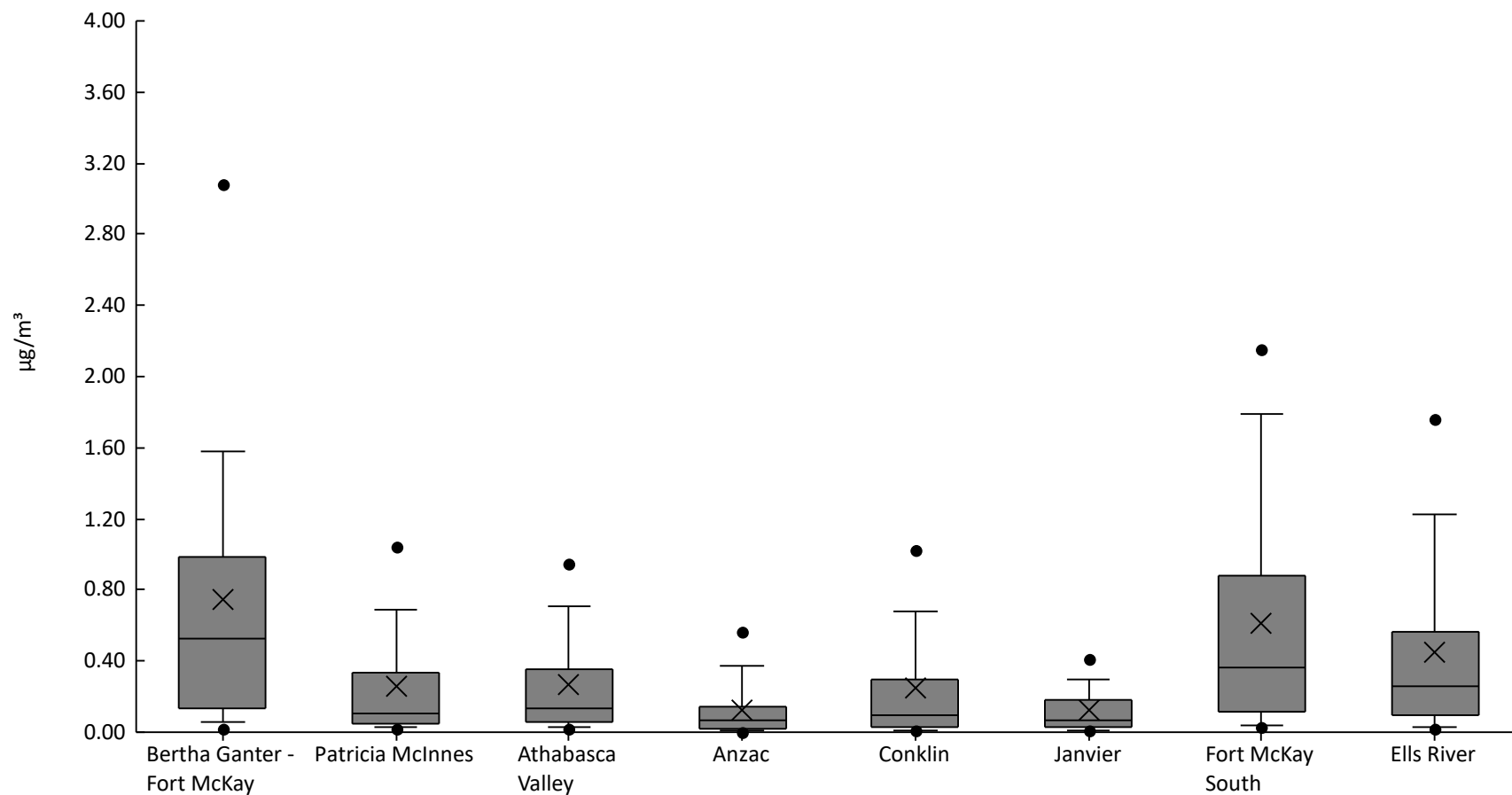
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	2.9	5	6.4	8.5	16	30	48	62	89	23	19
AMS06	Patricia McInnes	61	100%	0.92	3.3	4.3	5.8	8.3	15	30	39	59	13	11
AMS07	Athabasca Valley	61	100%	2.8	3.7	5.1	7	11	18	30	33	53	14	9.7
AMS14	Anzac	60	100%	0.96	2.4	2.8	3.6	5.9	8.7	22	26	45	8.6	8.3
AMS21	Conklin	47	100%	1.3	3	4.3	5.3	8.4	18	30	36	82	14	14
AMS22	Janvier	60	100%	1.2	2.1	2.5	3.9	5.7	9.9	17	26	34	8.3	7.1
AMS13	Fort McKay South	61	100%	2.3	3.2	4.9	6.5	13	27	42	50	61	18	15
AMS30	Ells River	60	100%	2.1	3.3	4.1	5.5	8.6	22	37	41	63	15	13





Particulate Matter <10µm Tested For Elements - Aluminum (µg/m³) - 2021

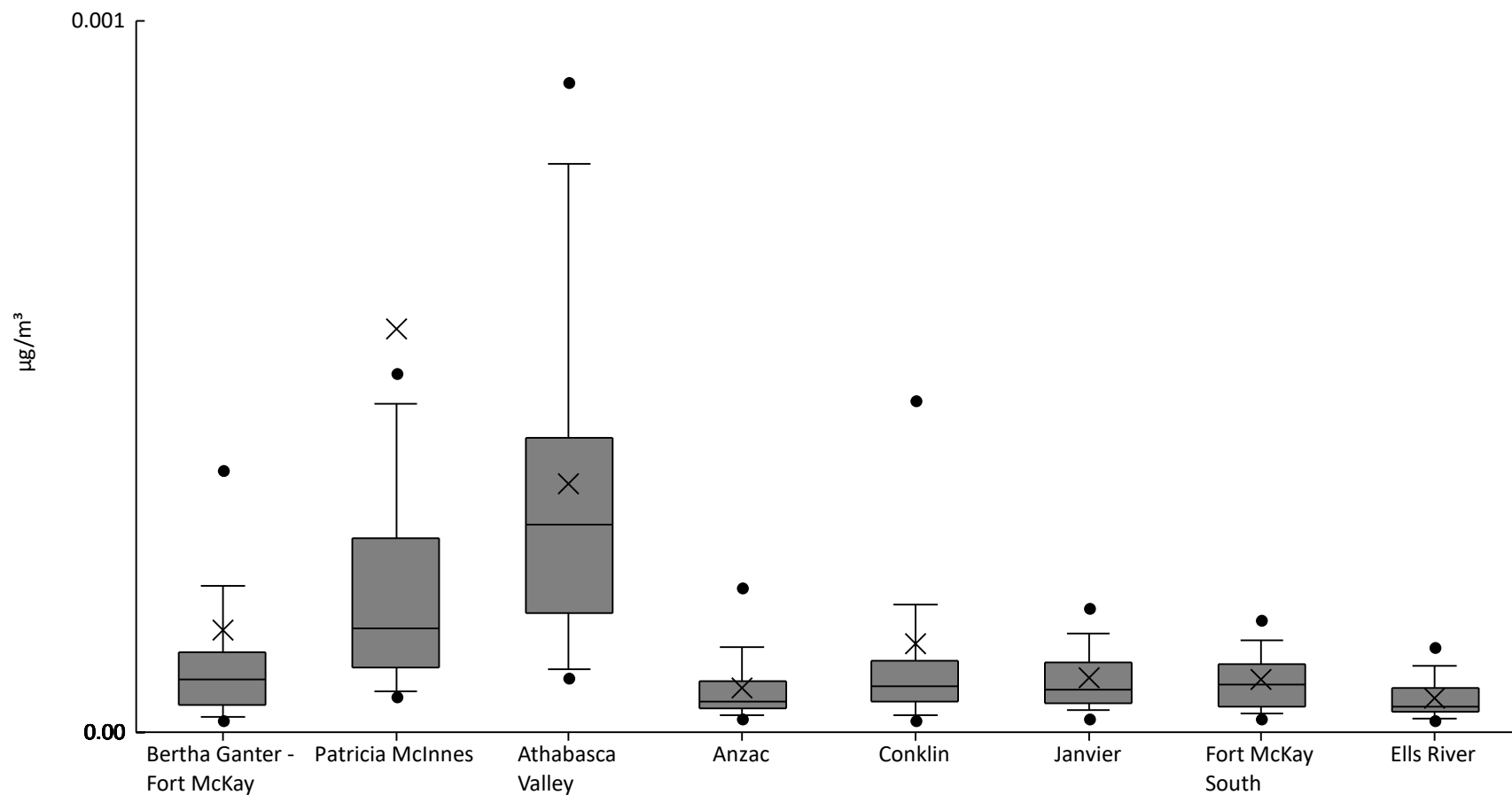
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	0.021	0.06	0.14	0.52	0.98	1.6	3.1	3.6	0.75	0.86
AMS06	Patricia McInnes	61	100%	7E-3	0.016	0.025	0.044	0.1	0.33	0.69	1	2.2	0.26	0.39
AMS07	Athabasca Valley	61	100%	7.2E-3	0.022	0.029	0.059	0.13	0.35	0.71	0.95	1.4	0.27	0.31
AMS14	Anzac	60	95%	0	4.2E-3	0.012	0.021	0.066	0.14	0.37	0.56	0.74	0.12	0.17
AMS21	Conklin	47	96%	0	9.5E-3	0.014	0.029	0.092	0.3	0.68	1	2.2	0.25	0.42
AMS22	Janvier	60	98%	0	0.011	0.013	0.029	0.064	0.18	0.3	0.41	0.62	0.12	0.14
AMS13	Fort McKay South	61	100%	0.02	0.029	0.043	0.11	0.37	0.88	1.8	2.2	2.5	0.62	0.68
AMS30	Ells River	60	100%	8.2E-3	0.023	0.027	0.098	0.26	0.56	1.2	1.8	2.3	0.45	0.54





Particulate Matter <10µm Tested For Elements - Antimony (µg/m³) - 2021

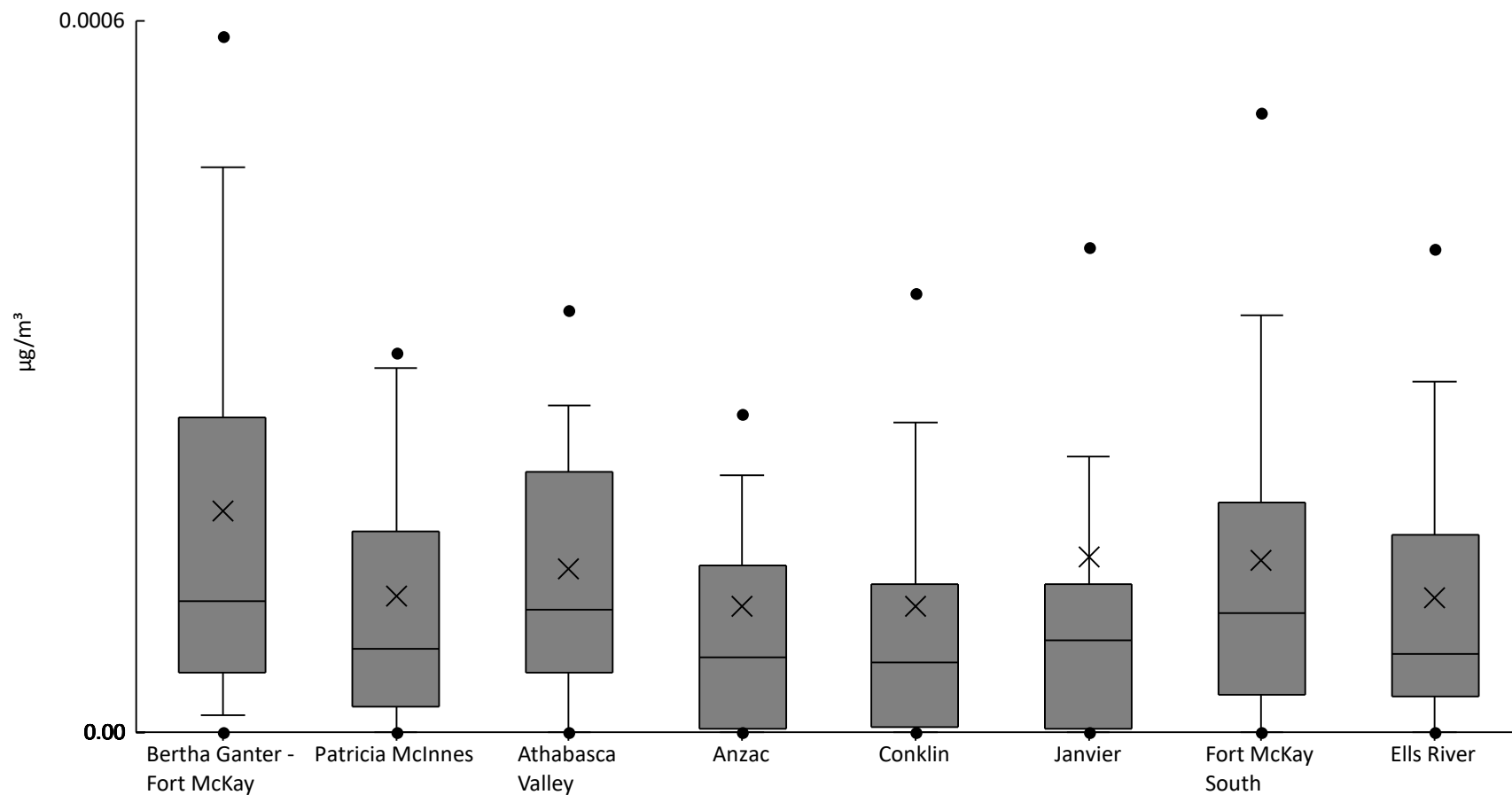
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	97%	0	1.7E-5	2.1E-5	3.9E-5	7.3E-5	1.1E-4	2.1E-4	3.7E-4	1.8E-3	1.4E-4	3E-4
AMS06	Patricia McInnes	61	100%	2E-5	5E-5	5.8E-5	9.2E-5	1.5E-4	2.7E-4	4.6E-4	5.1E-4	0.023	5.7E-4	2.9E-3
AMS07	Athabasca Valley	61	100%	5.6E-5	7.7E-5	8.8E-5	1.7E-4	2.9E-4	4.1E-4	8E-4	9.1E-4	1.2E-3	3.5E-4	2.6E-4
AMS14	Anzac	60	98%	0	1.8E-5	2.4E-5	3.4E-5	4.2E-5	7.1E-5	1.2E-4	2E-4	2.8E-4	6.3E-5	5.4E-5
AMS21	Conklin	47	100%	1.6E-5	1.8E-5	2.3E-5	4.4E-5	6.5E-5	1E-4	1.8E-4	4.7E-4	1.6E-3	1.2E-4	2.4E-4
AMS22	Janvier	60	97%	1.1E-5	2E-5	3.1E-5	4E-5	6E-5	9.9E-5	1.4E-4	1.7E-4	2.6E-4	7.6E-5	5E-5
AMS13	Fort McKay South	61	100%	1.6E-5	2E-5	2.5E-5	3.6E-5	6.8E-5	9.7E-5	1.3E-4	1.6E-4	3.9E-4	7.5E-5	5.6E-5
AMS30	Ells River	60	95%	1.1E-5	1.6E-5	2E-5	2.8E-5	3.7E-5	6.3E-5	9.3E-5	1.2E-4	2E-4	4.9E-5	3.5E-5





Particulate Matter <10µm Tested For Elements - Arsenic (µg/m³) - 2021

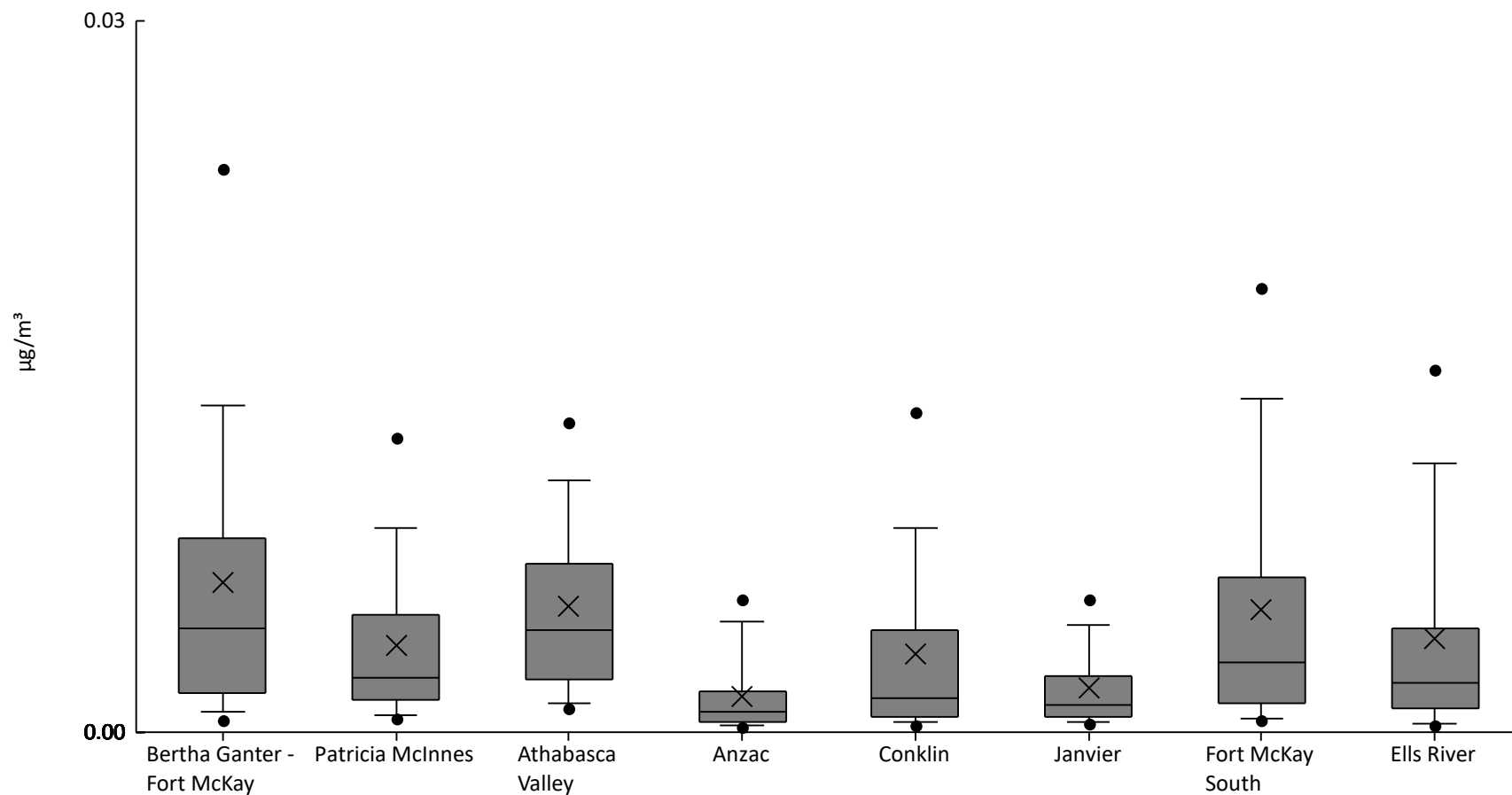
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	90%	0	0	1.4E-5	5E-5	1.1E-4	2.7E-4	4.8E-4	5.9E-4	7.3E-4	1.9E-4	1.8E-4
AMS06	Patricia McInnes	61	80%	0	0	0	2.2E-5	7.1E-5	1.7E-4	3.1E-4	3.2E-4	4.9E-4	1.1E-4	1.2E-4
AMS07	Athabasca Valley	61	85%	0	0	0	5.1E-5	1E-4	2.2E-4	2.8E-4	3.6E-4	6.5E-4	1.4E-4	1.3E-4
AMS14	Anzac	60	73%	0	0	0	3.5E-6	6.3E-5	1.4E-4	2.2E-4	2.7E-4	1.3E-3	1.1E-4	1.8E-4
AMS21	Conklin	47	74%	0	0	0	4.8E-6	5.9E-5	1.2E-4	2.6E-4	3.7E-4	8E-4	1.1E-4	1.5E-4
AMS22	Janvier	60	75%	0	0	0	3E-6	7.8E-5	1.3E-4	2.3E-4	4.1E-4	2.6E-3	1.5E-4	3.6E-4
AMS13	Fort McKay South	61	82%	0	0	0	3.2E-5	1E-4	1.9E-4	3.5E-4	5.2E-4	6.5E-4	1.5E-4	1.6E-4
AMS30	Ells River	60	80%	0	0	0	3E-5	6.7E-5	1.7E-4	3E-4	4.1E-4	5.9E-4	1.1E-4	1.3E-4





Particulate Matter <10µm Tested For Elements - Barium (µg/m³) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	4.7E-4	8.5E-4	1.7E-3	4.4E-3	8.2E-3	0.014	0.024	0.027	6.3E-3	6.7E-3
AMS06	Patricia McInnes	61	100%	1.4E-4	5.7E-4	7.4E-4	1.3E-3	2.3E-3	5E-3	8.6E-3	0.012	0.016	3.7E-3	3.5E-3
AMS07	Athabasca Valley	61	100%	5.6E-4	1E-3	1.2E-3	2.2E-3	4.3E-3	7.1E-3	0.011	0.013	0.015	5.3E-3	3.7E-3
AMS14	Anzac	60	98%	0	2.1E-4	2.6E-4	4.6E-4	8.6E-4	1.7E-3	4.7E-3	5.6E-3	6.5E-3	1.5E-3	1.7E-3
AMS21	Conklin	47	100%	2.1E-4	2.7E-4	4.1E-4	6.2E-4	1.4E-3	4.3E-3	8.6E-3	0.013	0.024	3.3E-3	4.7E-3
AMS22	Janvier	60	100%	2.4E-4	3.4E-4	4.6E-4	6.3E-4	1.1E-3	2.4E-3	4.5E-3	5.6E-3	7E-3	1.8E-3	1.7E-3
AMS13	Fort McKay South	61	100%	3.7E-4	4.8E-4	5.8E-4	1.2E-3	2.9E-3	6.6E-3	0.014	0.019	0.021	5.1E-3	5.5E-3
AMS30	Ells River	60	100%	1.3E-4	2.6E-4	3.6E-4	1E-3	2.1E-3	4.4E-3	0.011	0.015	0.02	3.9E-3	4.7E-3

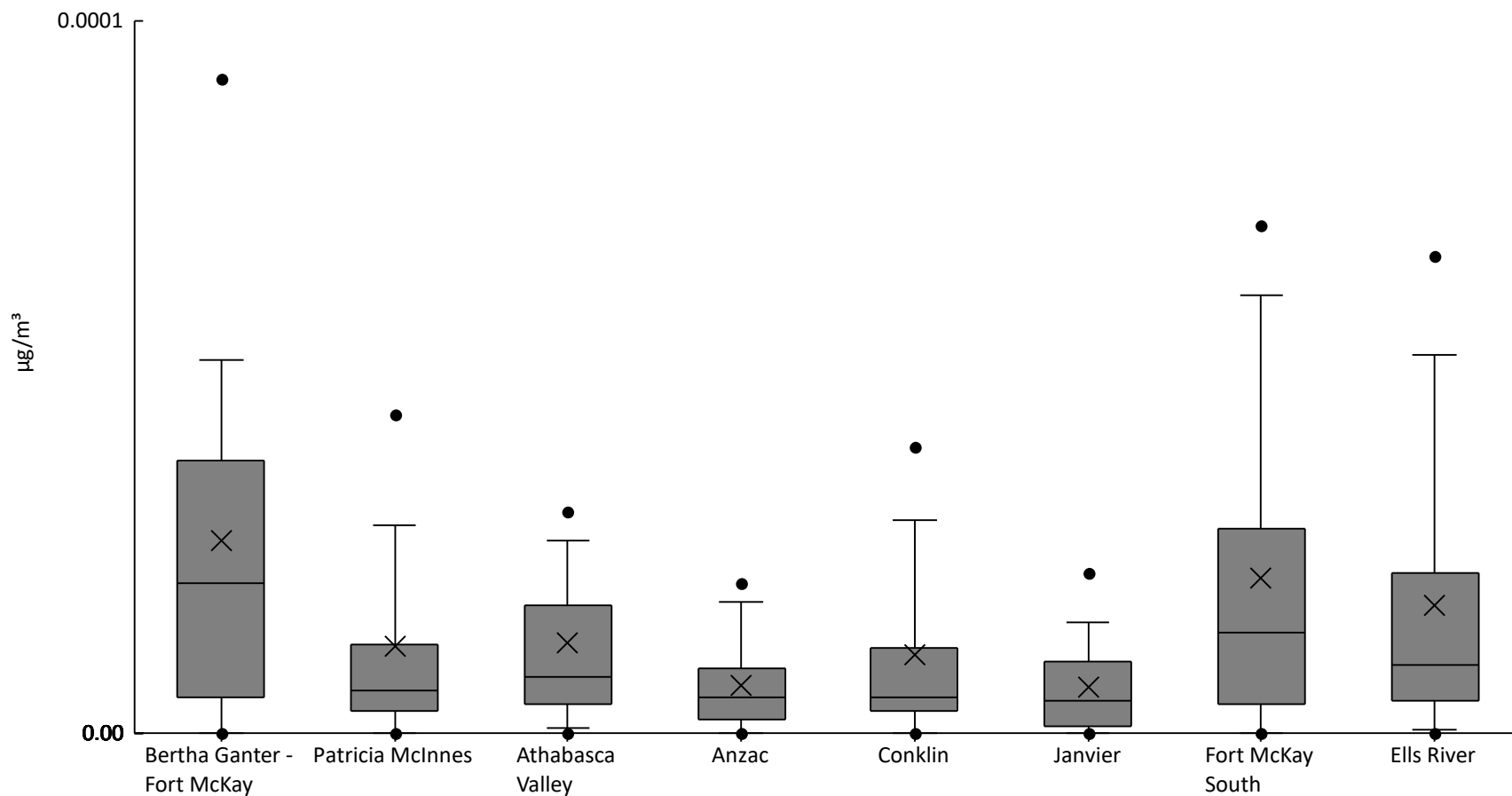






Particulate Matter <10µm Tested For Elements - Beryllium (µg/m³) - 2021

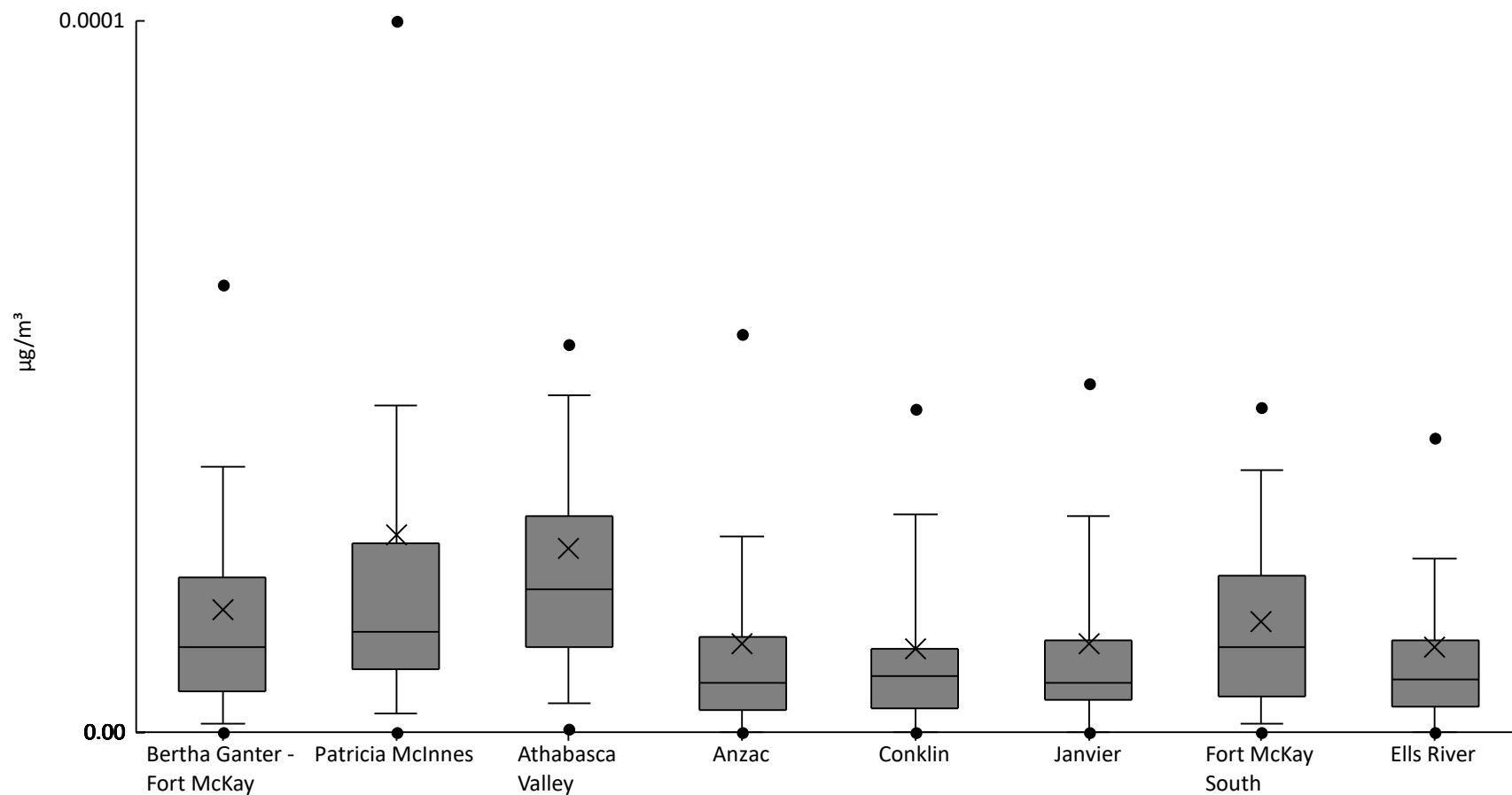
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	61%	0	0	0	5E-6	2.1E-5	3.8E-5	5.2E-5	9.2E-5	1.3E-4	2.7E-5	2.8E-5
AMS06	Patricia McInnes	61	25%	0	0	0	3E-6	6E-6	1.3E-5	2.9E-5	4.5E-5	1.1E-4	1.2E-5	1.9E-5
AMS07	Athabasca Valley	61	34%	0	0	6E-7	4E-6	8E-6	1.8E-5	2.7E-5	3.1E-5	1.2E-4	1.3E-5	1.7E-5
AMS14	Anzac	60	12%	0	0	0	2E-6	5E-6	9E-6	1.9E-5	2.1E-5	2.8E-5	6.7E-6	6.7E-6
AMS21	Conklin	47	19%	0	0	0	3E-6	5E-6	1.2E-5	3E-5	4E-5	7.9E-5	1.1E-5	1.5E-5
AMS22	Janvier	60	15%	0	0	0	1E-6	4.5E-6	1E-5	1.6E-5	2.3E-5	3E-5	6.6E-6	7.1E-6
AMS13	Fort McKay South	61	51%	0	0	0	4E-6	1.4E-5	2.9E-5	6.2E-5	7.1E-5	8.3E-5	2.2E-5	2.2E-5
AMS30	Ells River	60	40%	0	0	5E-7	4.5E-6	9.5E-6	2.3E-5	5.3E-5	6.7E-5	8.6E-5	1.8E-5	2.1E-5





Particulate Matter <10µm Tested For Elements - Bismuth (µg/m³) - 2021

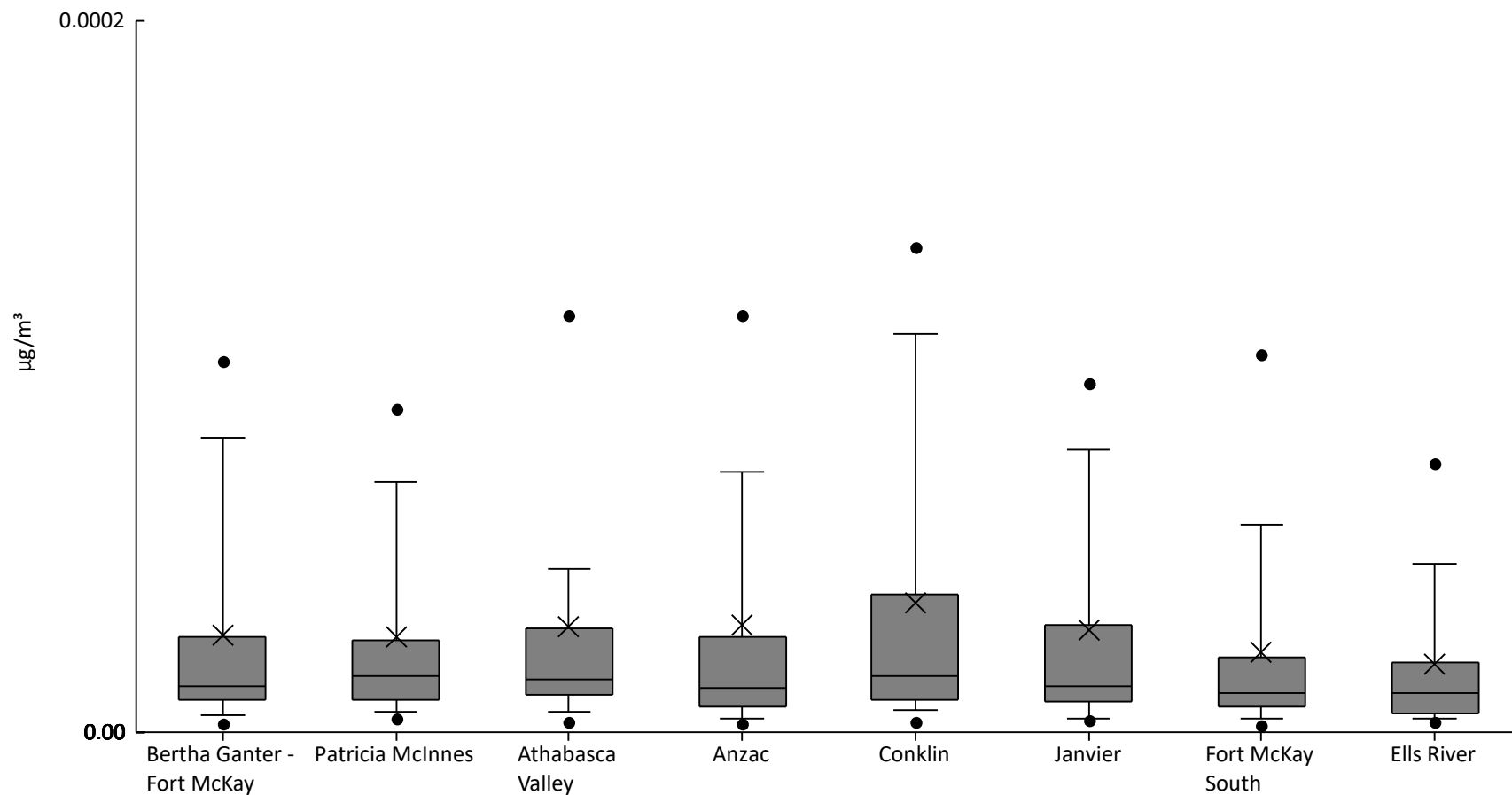
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	79%	0	0	1.2E-6	5.8E-6	1.2E-5	2.2E-5	3.7E-5	6.3E-5	8.3E-5	1.7E-5	1.9E-5
AMS06	Patricia McInnes	61	87%	0	0	2.6E-6	8.8E-6	1.4E-5	2.7E-5	4.6E-5	1E-4	3.6E-4	2.8E-5	5.2E-5
AMS07	Athabasca Valley	61	89%	0	5.5E-7	4E-6	1.2E-5	2E-5	3.1E-5	4.7E-5	5.4E-5	2.4E-4	2.6E-5	3.2E-5
AMS14	Anzac	60	67%	0	0	0	3E-6	7E-6	1.4E-5	2.8E-5	5.6E-5	8.4E-5	1.2E-5	1.7E-5
AMS21	Conklin	47	64%	0	0	0	3.3E-6	8E-6	1.2E-5	3.1E-5	4.5E-5	1.1E-4	1.2E-5	1.8E-5
AMS22	Janvier	60	75%	0	0	0	4.5E-6	7E-6	1.3E-5	3.1E-5	4.9E-5	8.5E-5	1.2E-5	1.6E-5
AMS13	Fort McKay South	61	82%	0	0	1.2E-6	5E-6	1.2E-5	2.2E-5	3.7E-5	4.6E-5	6.2E-5	1.6E-5	1.4E-5
AMS30	Ells River	60	73%	0	0	0	3.5E-6	7.5E-6	1.3E-5	2.5E-5	4.2E-5	1.1E-4	1.2E-5	1.7E-5





Particulate Matter <10µm Tested For Elements - Cadmium (µg/m³) - 2021

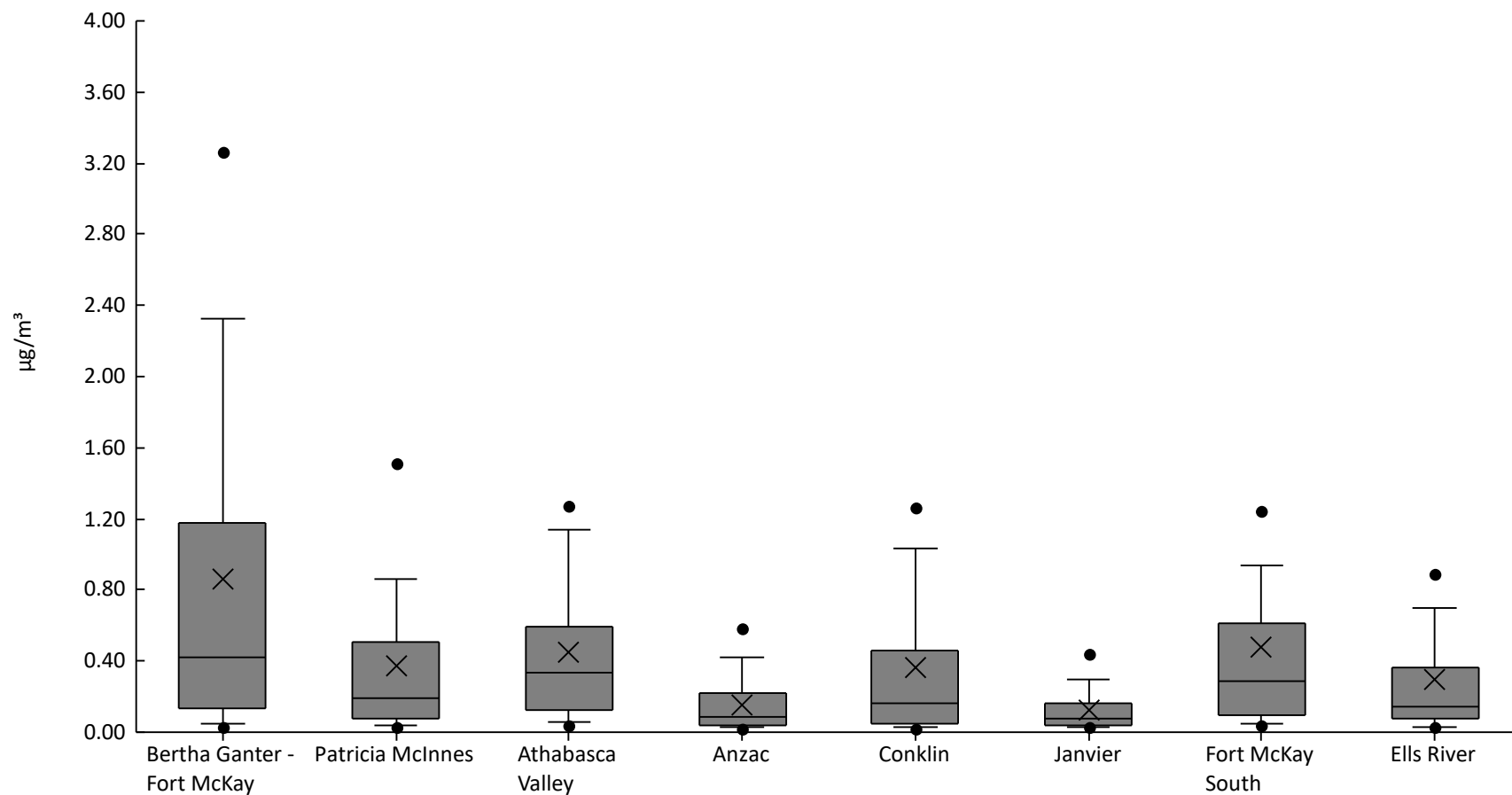
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	66%	0	2.6E-6	4.6E-6	9E-6	1.3E-5	2.7E-5	8.3E-5	1E-4	1.4E-4	2.7E-5	3.3E-5
AMS06	Patricia McInnes	61	67%	1E-6	4E-6	5.6E-6	9E-6	1.6E-5	2.6E-5	7E-5	9.1E-5	2.2E-4	2.7E-5	3.5E-5
AMS07	Athabasca Valley	61	75%	0	3.1E-6	5.6E-6	1.1E-5	1.5E-5	2.9E-5	4.6E-5	1.2E-4	3.5E-4	2.9E-5	4.9E-5
AMS14	Anzac	60	57%	0	2.5E-6	4E-6	7E-6	1.3E-5	2.7E-5	7.3E-5	1.2E-4	2.8E-4	3E-5	4.8E-5
AMS21	Conklin	47	57%	1E-6	2.9E-6	6E-6	9E-6	1.6E-5	3.9E-5	1.1E-4	1.4E-4	2.4E-4	3.7E-5	4.9E-5
AMS22	Janvier	60	70%	0	3.5E-6	4E-6	8.5E-6	1.3E-5	3E-5	8E-5	9.8E-5	2.8E-4	2.9E-5	4.3E-5
AMS13	Fort McKay South	61	56%	1E-6	2E-6	4E-6	7E-6	1.1E-5	2.1E-5	5.8E-5	1.1E-4	1.4E-4	2.2E-5	3.1E-5
AMS30	Ells River	60	52%	1E-6	3E-6	4E-6	5.5E-6	1.1E-5	2E-5	4.8E-5	7.6E-5	1.1E-4	1.9E-5	2.5E-5





Particulate Matter <10µm Tested For Elements - Calcium (µg/m<sup>3</sup>) - 2021

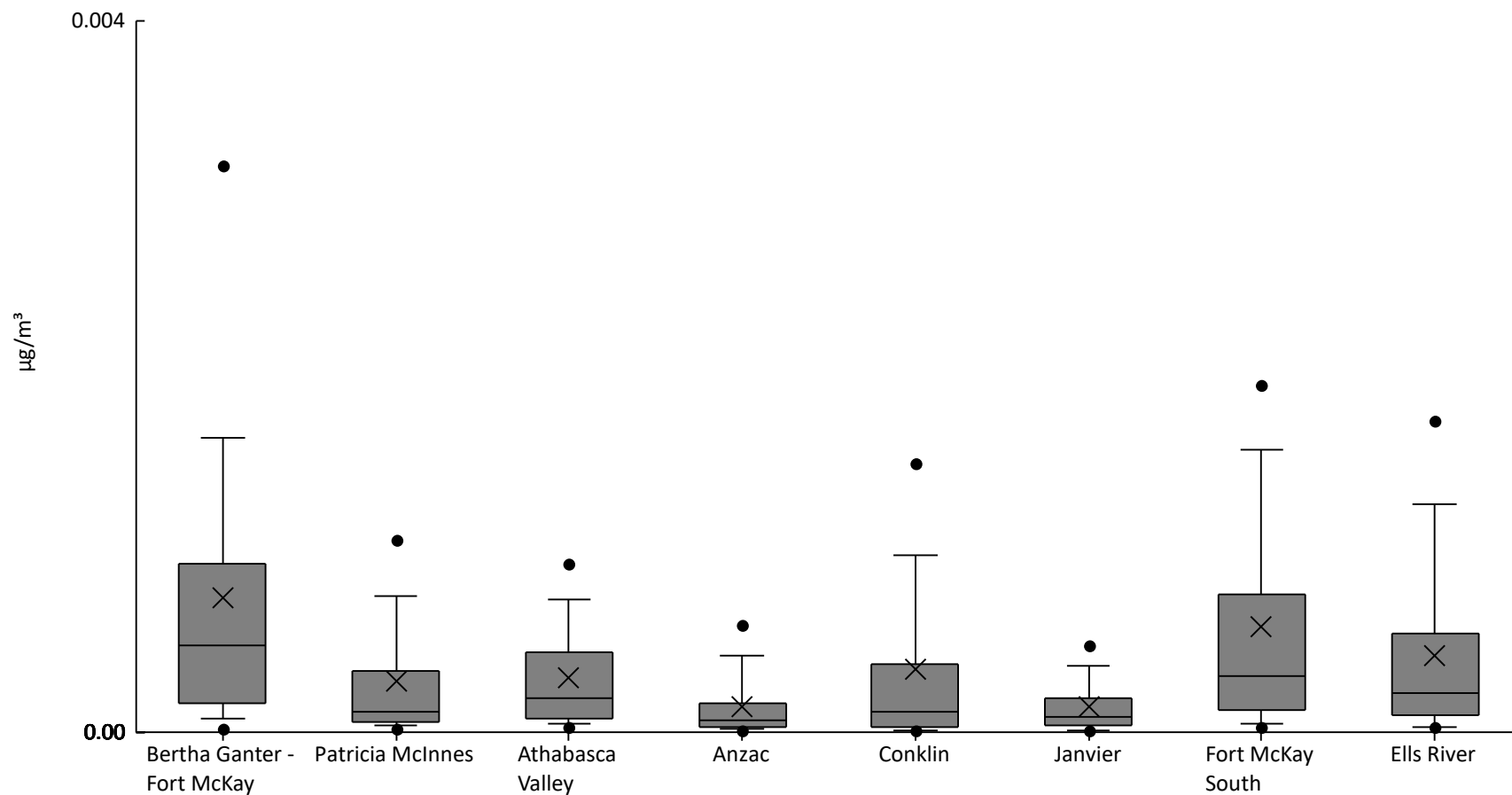
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	0.032	0.049	0.13	0.42	1.2	2.3	3.3	4.5	0.86	1
AMS06	Patricia McInnes	61	100%	0.021	0.028	0.039	0.076	0.19	0.5	0.86	1.5	2.2	0.38	0.49
AMS07	Athabasca Valley	61	100%	0.03	0.04	0.054	0.12	0.33	0.59	1.1	1.3	2.3	0.45	0.45
AMS14	Anzac	60	98%	0	0.023	0.032	0.04	0.088	0.22	0.42	0.58	0.6	0.16	0.17
AMS21	Conklin	47	100%	0.017	0.023	0.03	0.049	0.16	0.46	1	1.3	3	0.36	0.54
AMS22	Janvier	60	100%	0.019	0.025	0.029	0.04	0.079	0.16	0.3	0.44	0.49	0.13	0.12
AMS13	Fort McKay South	61	100%	0.03	0.034	0.044	0.096	0.28	0.61	0.94	1.2	5.1	0.48	0.71
AMS30	Ells River	60	100%	0.016	0.026	0.033	0.073	0.14	0.36	0.7	0.89	2.8	0.3	0.45





Particulate Matter <10µm Tested For Elements - Cerium (µg/m³) - 2021

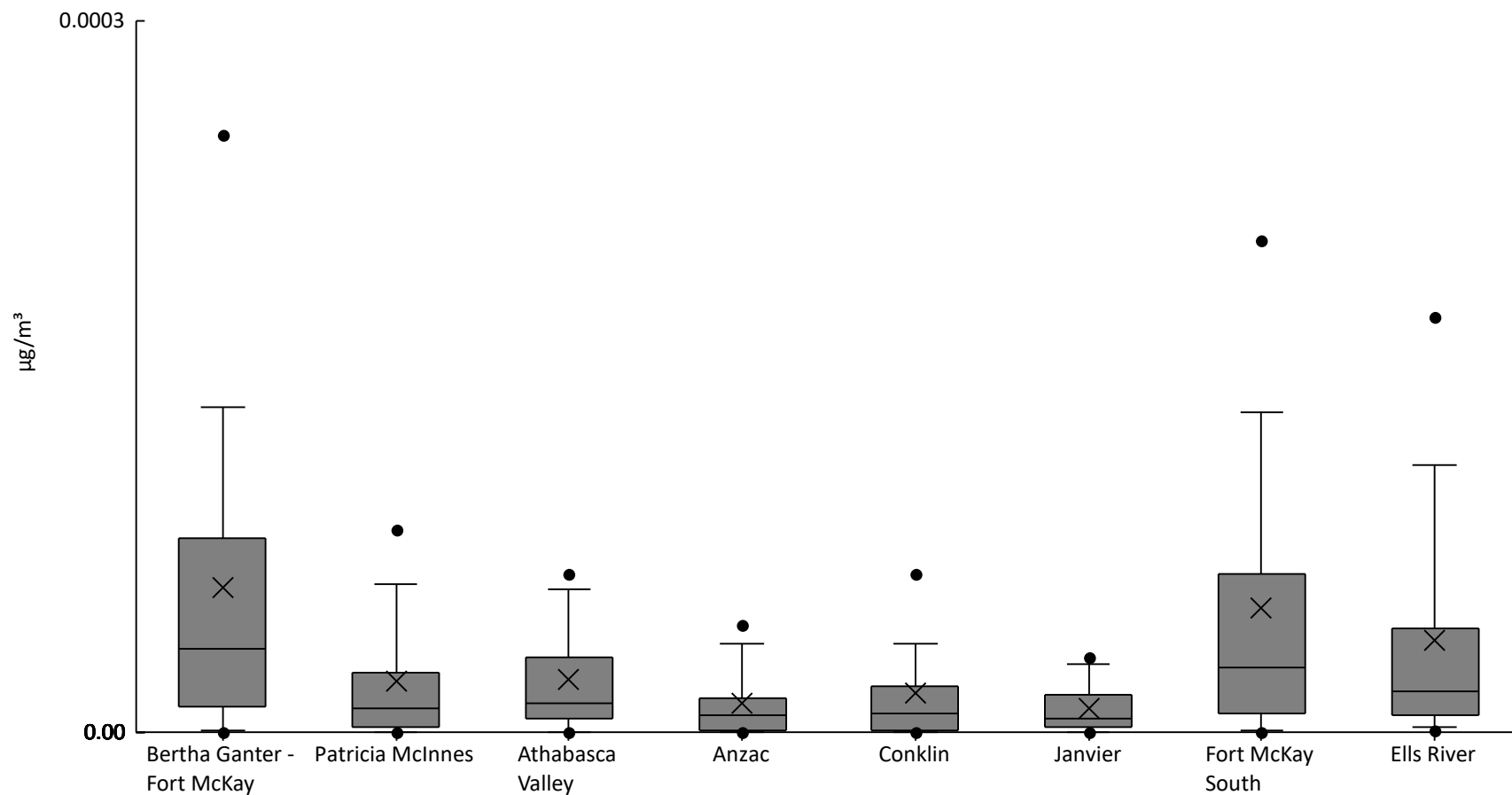
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	97%	0	2E-5	7.6E-5	1.6E-4	4.9E-4	9.5E-4	1.7E-3	3.2E-3	4.2E-3	7.6E-4	9.1E-4
AMS06	Patricia McInnes	61	97%	1E-5	1.8E-5	3.4E-5	6E-5	1.1E-4	3.4E-4	7.6E-4	1.1E-3	2E-3	2.8E-4	3.8E-4
AMS07	Athabasca Valley	61	100%	2.2E-5	2.9E-5	4.3E-5	7.6E-5	1.9E-4	4.5E-4	7.5E-4	9.5E-4	1.5E-3	3.1E-4	3.1E-4
AMS14	Anzac	60	92%	0	9.5E-6	1.6E-5	2.4E-5	6.4E-5	1.6E-4	4.3E-4	6.1E-4	8E-4	1.4E-4	1.9E-4
AMS21	Conklin	47	89%	5E-6	6.9E-6	8.4E-6	3E-5	1.2E-4	3.8E-4	9.9E-4	1.5E-3	3.6E-3	3.6E-4	6.5E-4
AMS22	Janvier	60	90%	5E-6	1.1E-5	1.4E-5	3.7E-5	8.3E-5	1.9E-4	3.7E-4	4.9E-4	7.4E-4	1.5E-4	1.6E-4
AMS13	Fort McKay South	61	100%	1.8E-5	3.2E-5	4.5E-5	1.2E-4	3.2E-4	7.8E-4	1.6E-3	2E-3	2.9E-3	5.9E-4	6.5E-4
AMS30	Ells River	60	97%	7E-6	2.5E-5	3.1E-5	9.2E-5	2.2E-4	5.5E-4	1.3E-3	1.8E-3	1.9E-3	4.3E-4	5.1E-4





Particulate Matter <10µm Tested For Elements - Cesium (µg/m³) - 2021

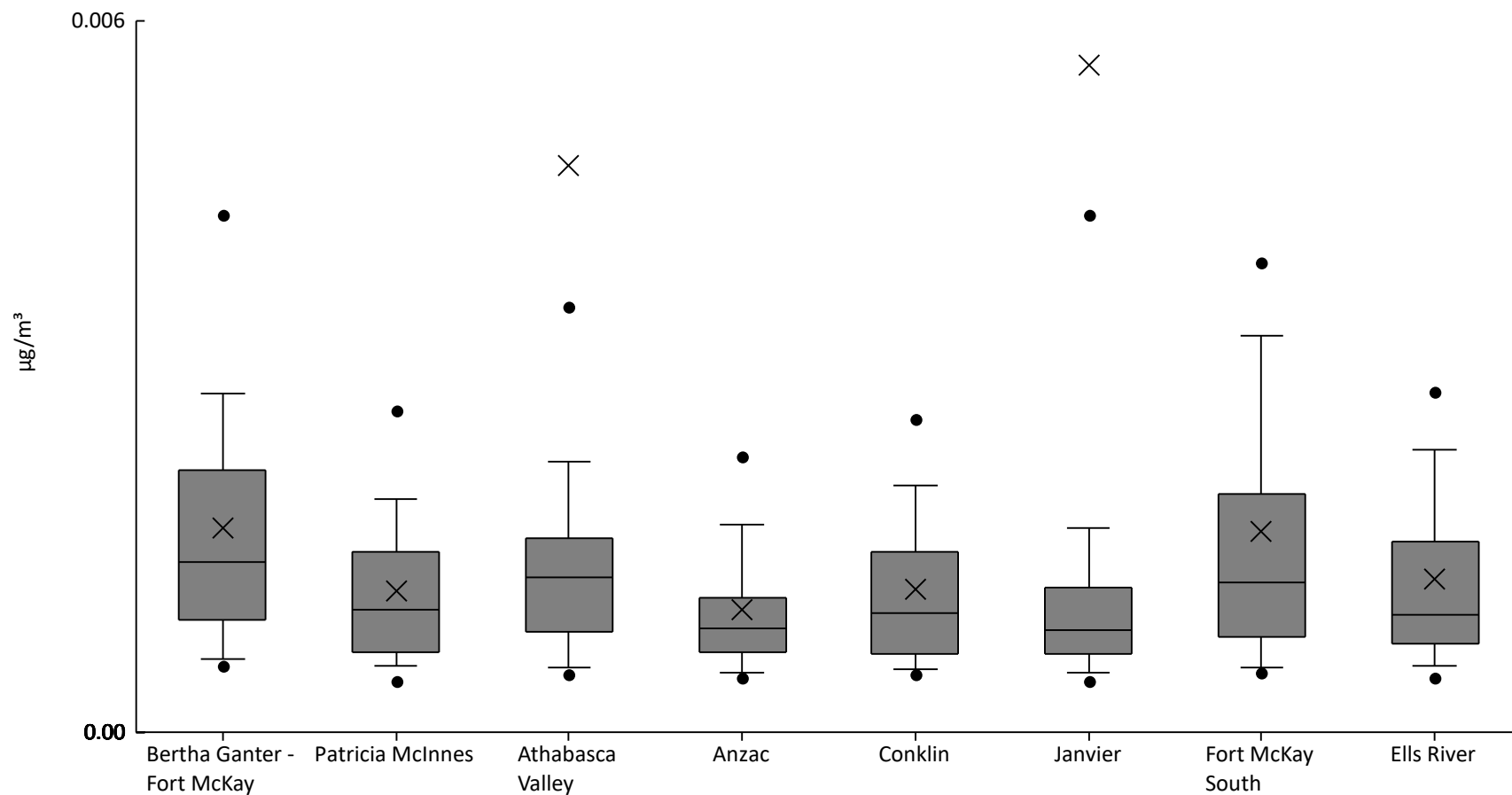
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	89%	0	0	1E-6	1.1E-5	3.5E-5	8.2E-5	1.4E-4	2.5E-4	2.8E-4	6.1E-5	7.1E-5
AMS06	Patricia McInnes	61	66%	0	0	0	2E-6	1E-5	2.5E-5	6.2E-5	8.5E-5	1.7E-4	2.1E-5	3.2E-5
AMS07	Athabasca Valley	61	84%	0	0	0	6E-6	1.2E-5	3.1E-5	6E-5	6.7E-5	1.4E-4	2.2E-5	2.7E-5
AMS14	Anzac	60	58%	0	0	0	1E-6	7E-6	1.4E-5	3.7E-5	4.6E-5	1.2E-4	1.2E-5	1.9E-5
AMS21	Conklin	47	66%	0	0	0	1E-6	8E-6	2E-5	3.7E-5	6.7E-5	1.4E-4	1.6E-5	2.6E-5
AMS22	Janvier	60	63%	0	0	0	2E-6	6E-6	1.6E-5	2.9E-5	3.2E-5	4.2E-5	1E-5	1.1E-5
AMS13	Fort McKay South	61	84%	0	0	1E-6	7.8E-6	2.7E-5	6.7E-5	1.4E-4	2.1E-4	2.4E-4	5.2E-5	6E-5
AMS30	Ells River	60	85%	0	1E-6	2E-6	7E-6	1.7E-5	4.4E-5	1.1E-4	1.8E-4	2.1E-4	3.9E-5	5.1E-5





Particulate Matter <10µm Tested For Elements - Chromium (µg/m³) - 2021

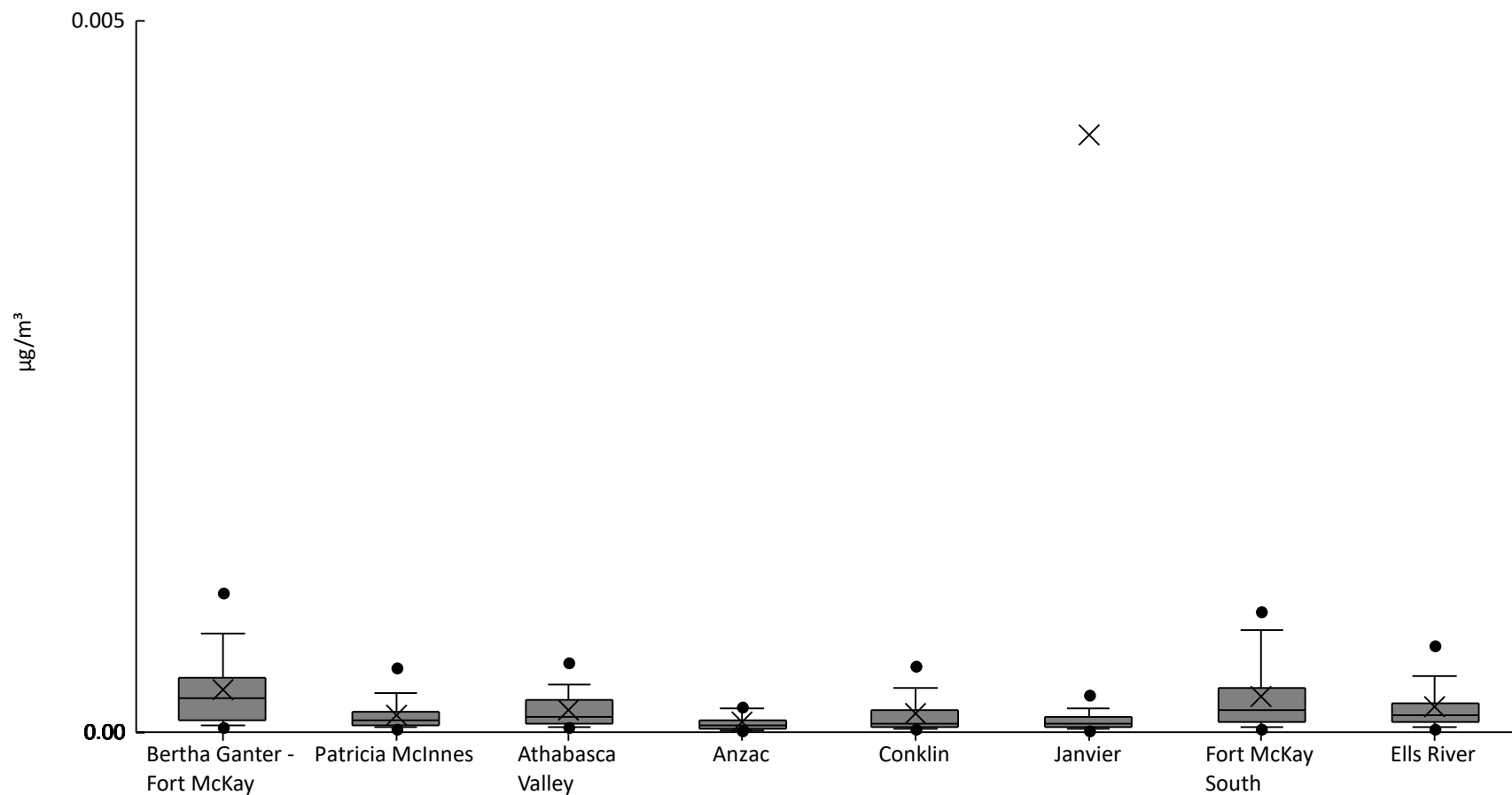
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	5.6E-4	6.1E-4	9.4E-4	1.4E-3	2.2E-3	2.9E-3	4.4E-3	6.9E-3	1.7E-3	1.2E-3
AMS06	Patricia McInnes	61	100%	3.7E-4	4.2E-4	5.6E-4	6.8E-4	1E-3	1.5E-3	2E-3	2.7E-3	5.3E-3	1.2E-3	8E-4
AMS07	Athabasca Valley	61	100%	3.9E-4	4.9E-4	5.5E-4	8.5E-4	1.3E-3	1.6E-3	2.3E-3	3.6E-3	0.21	4.8E-3	0.027
AMS14	Anzac	60	98%	8E-6	4.6E-4	5.1E-4	6.8E-4	8.7E-4	1.1E-3	1.7E-3	2.3E-3	3.8E-3	1E-3	6.3E-4
AMS21	Conklin	47	100%	4.2E-4	4.9E-4	5.3E-4	6.6E-4	1E-3	1.5E-3	2.1E-3	2.6E-3	3.7E-3	1.2E-3	7.3E-4
AMS22	Janvier	60	100%	3E-4	4.4E-4	5E-4	6.6E-4	8.6E-4	1.2E-3	1.7E-3	4.4E-3	0.22	5.6E-3	0.029
AMS13	Fort McKay South	61	100%	3.5E-4	5.1E-4	5.5E-4	8E-4	1.3E-3	2E-3	3.3E-3	4E-3	8.3E-3	1.7E-3	1.5E-3
AMS30	Ells River	60	100%	2.9E-4	4.6E-4	5.7E-4	7.5E-4	1E-3	1.6E-3	2.4E-3	2.9E-3	4.5E-3	1.3E-3	8.2E-4





Particulate Matter <10µm Tested For Elements - Cobalt (µg/m³) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	3.5E-5	4.9E-5	8.1E-5	2.4E-4	3.8E-4	6.9E-4	9.8E-4	1.2E-3	3E-4	2.8E-4
AMS06	Patricia McInnes	61	100%	1.8E-5	2.7E-5	3E-5	4.3E-5	8E-5	1.4E-4	2.8E-4	4.5E-4	5.8E-4	1.2E-4	1.2E-4
AMS07	Athabasca Valley	61	100%	2.6E-5	3.2E-5	3.7E-5	5.6E-5	1.1E-4	2.3E-4	3.4E-4	4.9E-4	6E-4	1.6E-4	1.3E-4
AMS14	Anzac	60	98%	0	1.3E-5	1.7E-5	2.9E-5	5.1E-5	8.9E-5	1.6E-4	1.8E-4	2.7E-4	6.7E-5	5.4E-5
AMS21	Conklin	47	100%	1.1E-5	2E-5	2.9E-5	3.8E-5	6.2E-5	1.6E-4	3.1E-4	4.6E-4	8.5E-4	1.3E-4	1.6E-4
AMS22	Janvier	60	100%	1.2E-5	1.5E-5	2.2E-5	3.2E-5	5.7E-5	1.1E-4	1.6E-4	2.6E-4	0.25	4.2E-3	0.032
AMS13	Fort McKay South	61	100%	1.9E-5	3E-5	3.7E-5	7.4E-5	1.6E-4	3.2E-4	7.1E-4	8.5E-4	1.1E-3	2.5E-4	2.5E-4
AMS30	Ells River	60	100%	1.9E-5	2.7E-5	3.5E-5	7.4E-5	1.2E-4	2E-4	3.9E-4	6.1E-4	1.1E-3	1.9E-4	1.9E-4

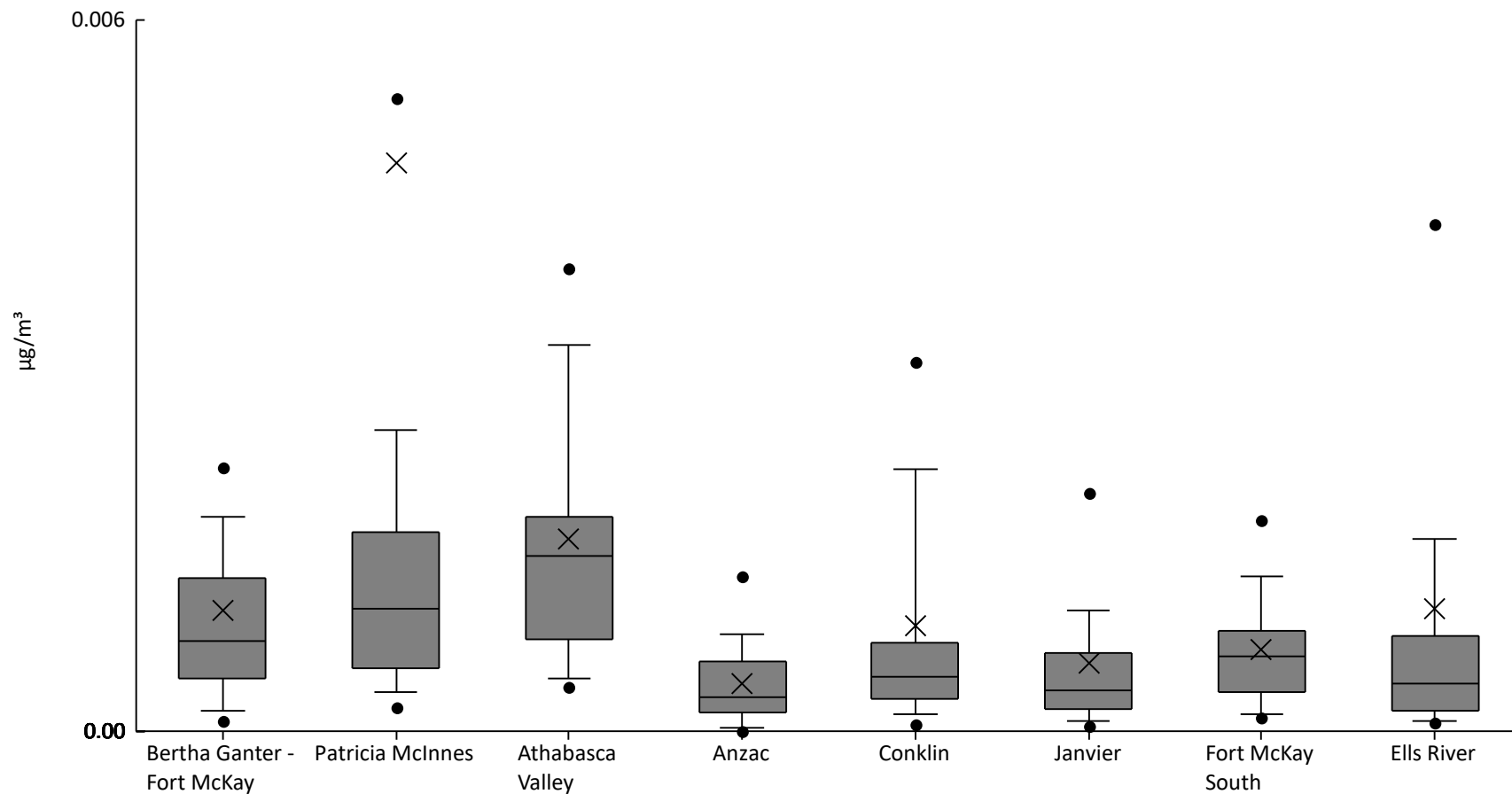






Particulate Matter <10µm Tested For Elements - Copper (µg/m³) - 2021

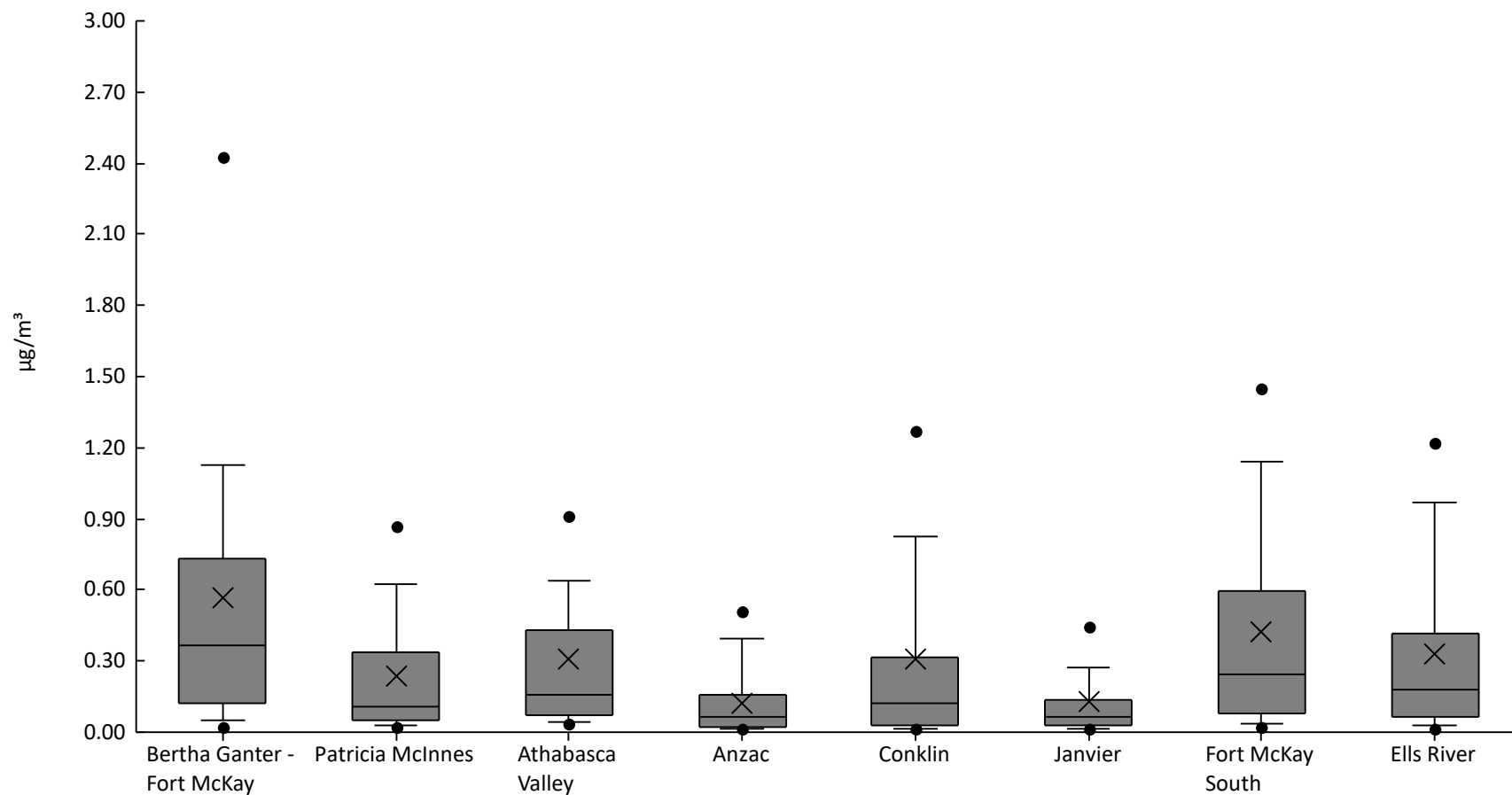
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	9.3E-5	1.7E-4	4.4E-4	7.6E-4	1.3E-3	1.8E-3	2.2E-3	8.1E-3	1E-3	1.1E-3
AMS06	Patricia McInnes	61	100%	3E-5	2E-4	3.3E-4	5.3E-4	1E-3	1.7E-3	2.5E-3	5.3E-3	0.2	4.8E-3	0.026
AMS07	Athabasca Valley	61	100%	2.2E-4	3.8E-4	4.5E-4	7.8E-4	1.5E-3	1.8E-3	3.3E-3	3.9E-3	7.6E-3	1.6E-3	1.3E-3
AMS14	Anzac	60	92%	0	2E-6	3.5E-5	1.6E-4	2.8E-4	5.9E-4	8.1E-4	1.3E-3	1.5E-3	4E-4	3.6E-4
AMS21	Conklin	47	98%	1.2E-5	5.6E-5	1.5E-4	2.7E-4	4.6E-4	7.5E-4	2.2E-3	3.1E-3	8.9E-3	9E-4	1.4E-3
AMS22	Janvier	60	98%	0	4.3E-5	8.8E-5	1.9E-4	3.5E-4	6.6E-4	1E-3	2E-3	4.2E-3	5.7E-4	7.9E-4
AMS13	Fort McKay South	61	100%	6E-5	1.2E-4	1.5E-4	3.4E-4	6.3E-4	8.5E-4	1.3E-3	1.8E-3	2.1E-3	6.9E-4	4.7E-4
AMS30	Ells River	60	98%	2.7E-5	6.6E-5	8.9E-5	1.8E-4	4E-4	8E-4	1.6E-3	4.3E-3	0.019	1E-3	2.6E-3





Particulate Matter <10µm Tested For Elements - Iron (µg/m³) - 2021

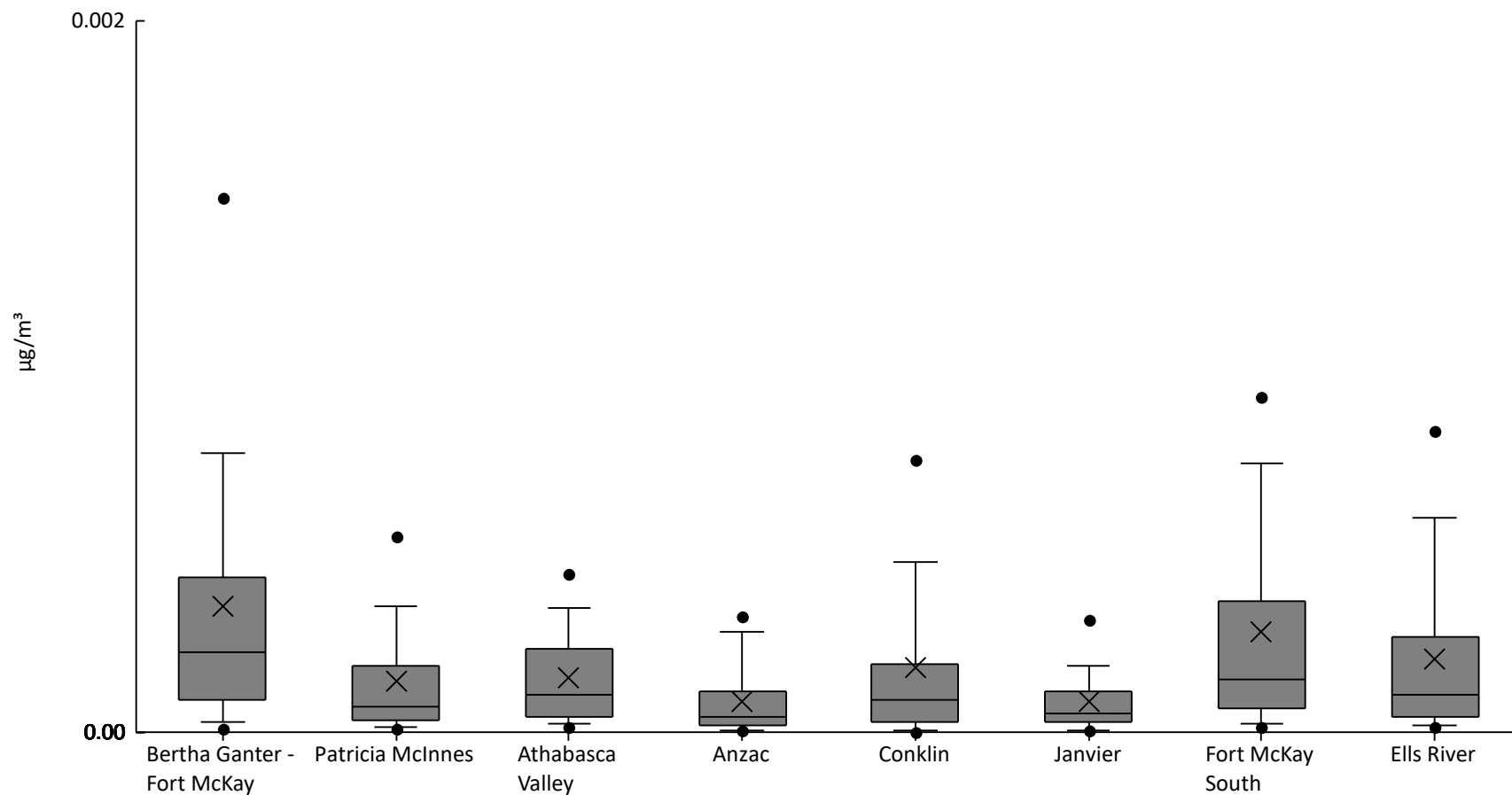
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	0.022	0.047	0.12	0.37	0.73	1.1	2.4	3.3	0.57	0.7
AMS06	Patricia McInnes	61	100%	7.8E-3	0.019	0.027	0.049	0.1	0.34	0.62	0.87	1.3	0.24	0.29
AMS07	Athabasca Valley	61	100%	0.02	0.036	0.043	0.074	0.16	0.43	0.64	0.91	2.4	0.31	0.37
AMS14	Anzac	60	98%	0	0.014	0.016	0.025	0.063	0.16	0.39	0.51	0.59	0.13	0.15
AMS21	Conklin	47	100%	0.01	0.014	0.016	0.026	0.12	0.32	0.83	1.3	3	0.31	0.54
AMS22	Janvier	60	100%	0.011	0.014	0.016	0.027	0.067	0.13	0.27	0.45	1.8	0.13	0.25
AMS13	Fort McKay South	61	100%	0.013	0.024	0.033	0.082	0.24	0.59	1.1	1.5	2	0.42	0.47
AMS30	Ells River	60	100%	5.9E-3	0.015	0.027	0.068	0.18	0.42	0.97	1.2	1.8	0.33	0.39





Particulate Matter <10µm Tested For Elements - Lanthanum (µg/m³) - 2021

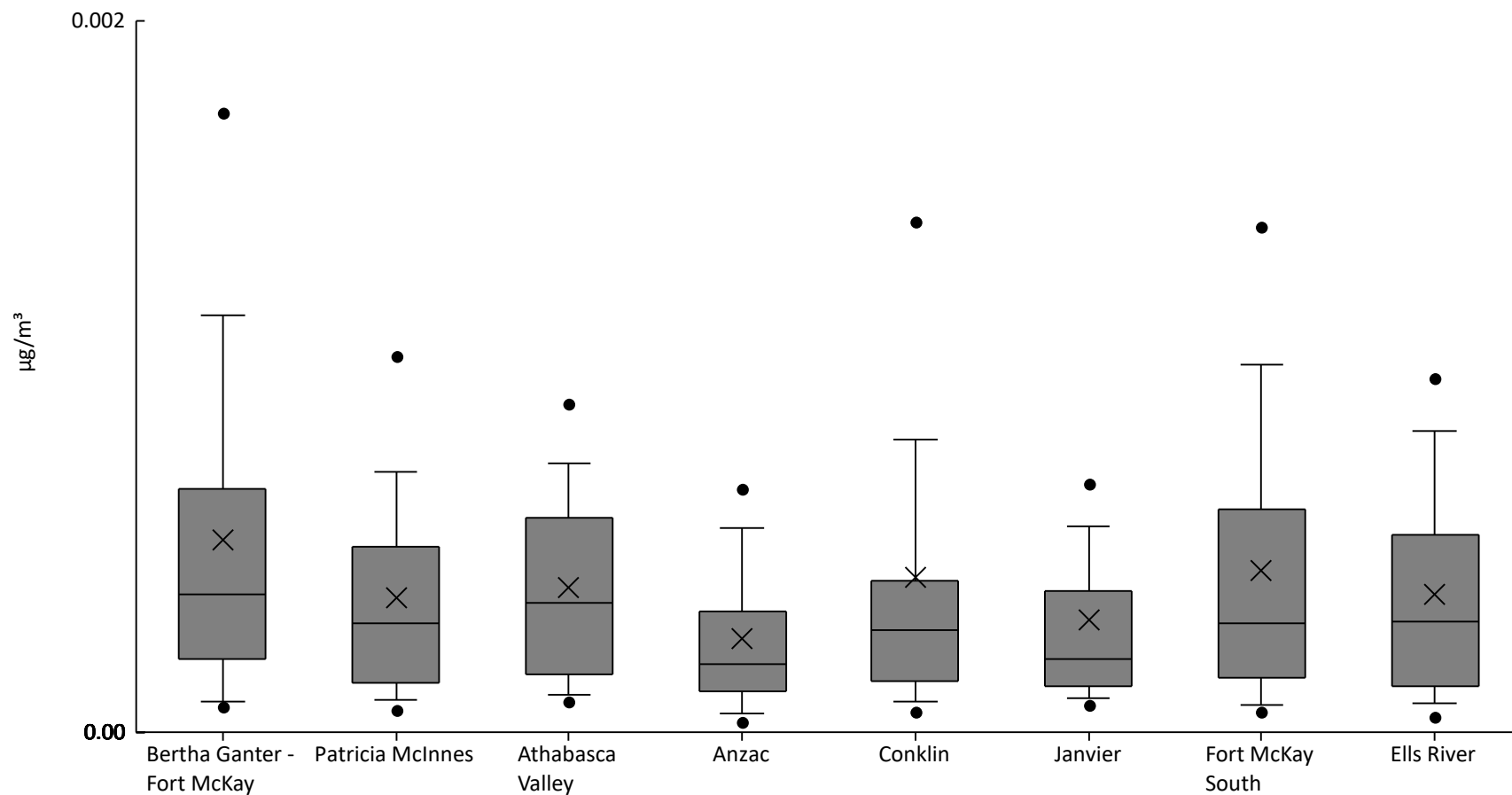
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	9.6E-6	3E-5	9.1E-5	2.3E-4	4.3E-4	7.8E-4	1.5E-3	1.8E-3	3.6E-4	4.2E-4
AMS06	Patricia McInnes	61	100%	5E-6	7.7E-6	1.5E-5	3.2E-5	7.2E-5	1.9E-4	3.5E-4	5.5E-4	9E-4	1.4E-4	1.8E-4
AMS07	Athabasca Valley	61	100%	7E-6	1.2E-5	2.6E-5	4.3E-5	1.1E-4	2.4E-4	3.5E-4	4.5E-4	7.1E-4	1.5E-4	1.5E-4
AMS14	Anzac	60	93%	0	2.5E-6	5.5E-6	1.7E-5	4.4E-5	1.2E-4	2.8E-4	3.2E-4	4.5E-4	8.6E-5	1.1E-4
AMS21	Conklin	47	89%	0	1.9E-6	3.6E-6	2.8E-5	9.1E-5	1.9E-4	4.8E-4	7.7E-4	1.8E-3	1.8E-4	3.1E-4
AMS22	Janvier	60	95%	0	3E-6	6E-6	3E-5	5.3E-5	1.2E-4	1.9E-4	3.2E-4	4E-4	8.5E-5	8.9E-5
AMS13	Fort McKay South	61	100%	9E-6	1.6E-5	2.2E-5	6.7E-5	1.5E-4	3.7E-4	7.6E-4	9.4E-4	1.3E-3	2.8E-4	3.1E-4
AMS30	Ells River	60	100%	4E-6	1.3E-5	1.9E-5	4.4E-5	1E-4	2.7E-4	6E-4	8.5E-4	9.2E-4	2.1E-4	2.4E-4





Particulate Matter <10µm Tested For Elements - Lead (µg/m³) - 2021

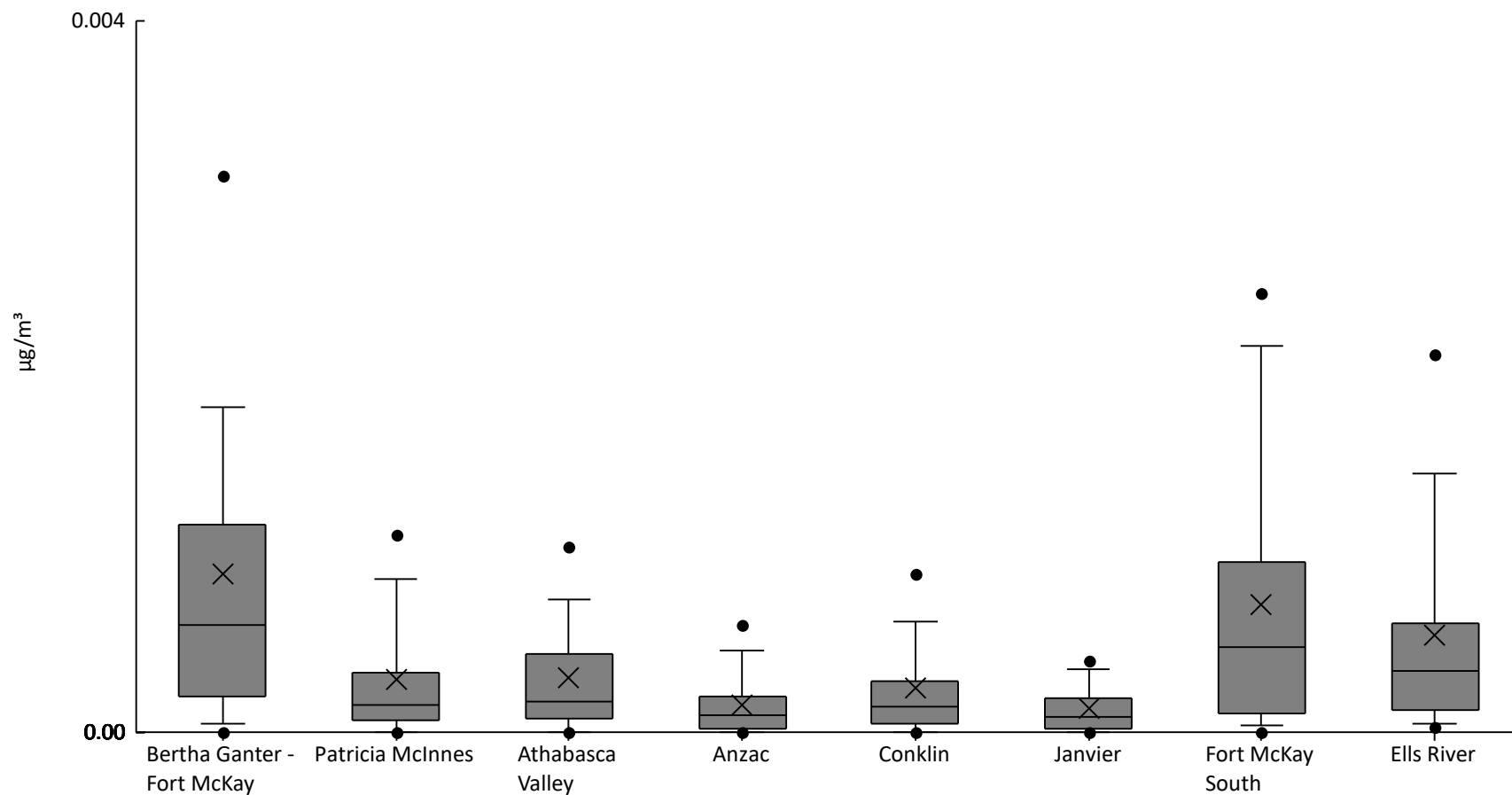
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	7.3E-5	8.7E-5	2.1E-4	3.9E-4	6.8E-4	1.2E-3	1.7E-3	2.5E-3	5.4E-4	5.1E-4
AMS06	Patricia McInnes	61	98%	1.8E-5	6.2E-5	9.1E-5	1.4E-4	3.1E-4	5.2E-4	7.3E-4	1.1E-3	1.6E-3	3.8E-4	3.3E-4
AMS07	Athabasca Valley	61	100%	5.1E-5	8.4E-5	1.1E-4	1.6E-4	3.7E-4	6E-4	7.6E-4	9.2E-4	1.4E-3	4.1E-4	2.9E-4
AMS14	Anzac	60	97%	0	3E-5	5.2E-5	1.1E-4	1.9E-4	3.4E-4	5.7E-4	6.8E-4	1.2E-3	2.6E-4	2.3E-4
AMS21	Conklin	47	98%	1.6E-5	5.5E-5	8.6E-5	1.4E-4	2.9E-4	4.3E-4	8.2E-4	1.4E-3	3.4E-3	4.3E-4	6.1E-4
AMS22	Janvier	60	100%	4.9E-5	7.6E-5	9.4E-5	1.3E-4	2.1E-4	4E-4	5.8E-4	7E-4	3E-3	3.1E-4	3.9E-4
AMS13	Fort McKay South	61	100%	3.7E-5	5.8E-5	7.7E-5	1.5E-4	3.1E-4	6.3E-4	1E-3	1.4E-3	1.8E-3	4.6E-4	4.1E-4
AMS30	Ells River	60	100%	3E-5	4.5E-5	8.1E-5	1.3E-4	3.1E-4	5.6E-4	8.5E-4	9.9E-4	1.4E-3	3.9E-4	3.2E-4





Particulate Matter <10µm Tested For Elements - Lithium (µg/m³) - 2021

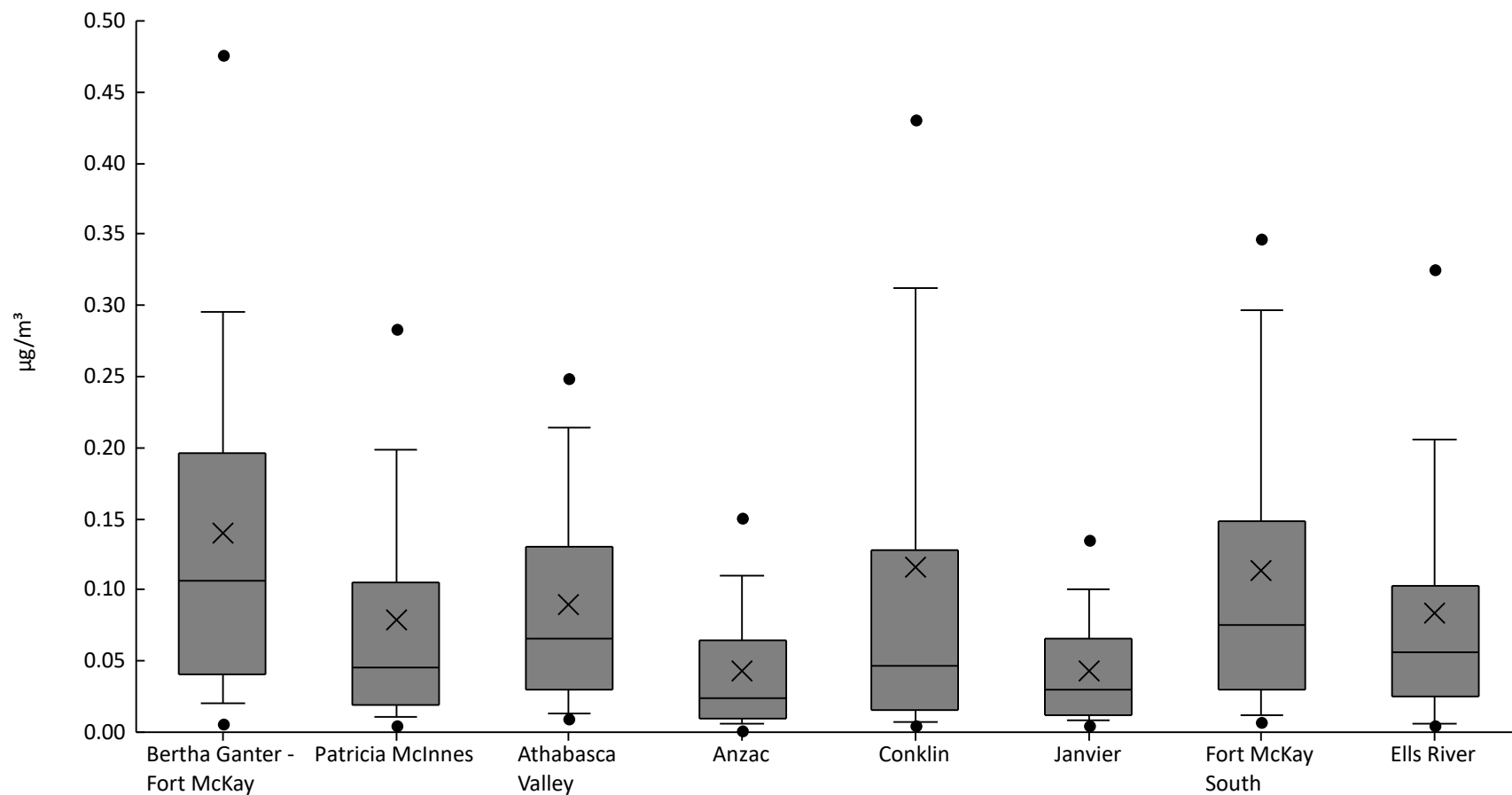
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	92%	0	5.5E-7	4.8E-5	2E-4	6E-4	1.2E-3	1.8E-3	3.1E-3	5.4E-3	8.9E-4	1E-3
AMS06	Patricia McInnes	61	84%	0	0	0	6.6E-5	1.5E-4	3.3E-4	8.6E-4	1.1E-3	2.1E-3	2.9E-4	4.1E-4
AMS07	Athabasca Valley	61	85%	0	0	0	8.1E-5	1.8E-4	4.4E-4	7.4E-4	1E-3	1.9E-3	3E-4	3.6E-4
AMS14	Anzac	60	77%	0	0	0	1.9E-5	9.4E-5	2E-4	4.6E-4	6E-4	8.1E-4	1.6E-4	1.9E-4
AMS21	Conklin	47	81%	0	0	0	5.1E-5	1.4E-4	2.9E-4	6.3E-4	8.9E-4	1.9E-3	2.5E-4	3.5E-4
AMS22	Janvier	60	75%	0	0	0	1.9E-5	8.4E-5	1.9E-4	3.6E-4	4E-4	4.9E-4	1.3E-4	1.4E-4
AMS13	Fort McKay South	61	90%	0	0	3.7E-5	1E-4	4.8E-4	9.6E-4	2.2E-3	2.5E-3	2.8E-3	7.1E-4	7.7E-4
AMS30	Ells River	60	97%	0	2.6E-5	5.3E-5	1.3E-4	3.4E-4	6.2E-4	1.5E-3	2.1E-3	2.6E-3	5.4E-4	6.2E-4





Particulate Matter <10µm Tested For Elements - Magnesium (µg/m³) - 2021

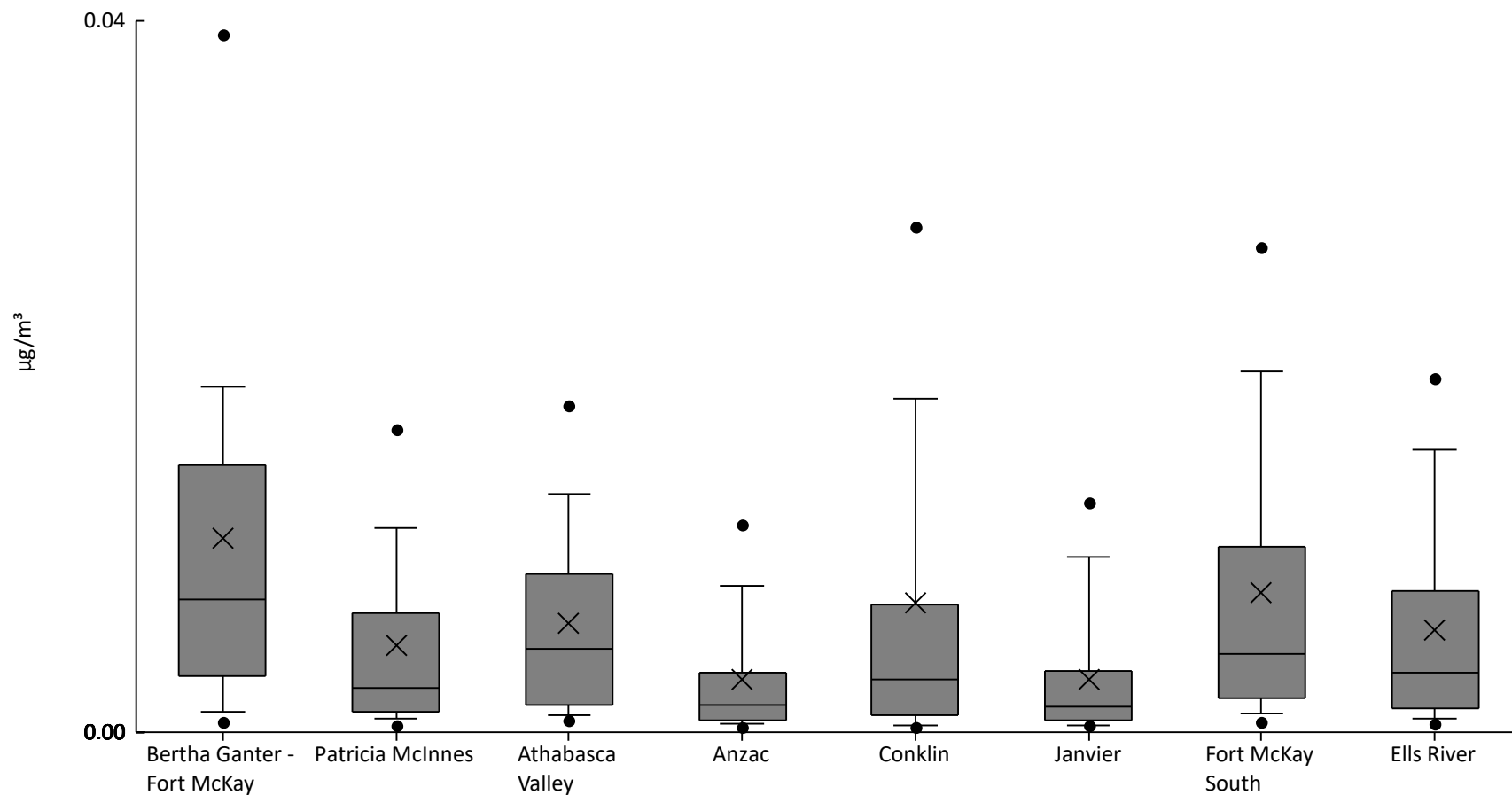
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	6.4E-3	0.02	0.041	0.11	0.2	0.3	0.48	0.59	0.14	0.14
AMS06	Patricia McInnes	61	100%	2.4E-3	5E-3	0.011	0.019	0.045	0.11	0.2	0.28	0.43	0.079	0.089
AMS07	Athabasca Valley	61	100%	5.9E-3	9.5E-3	0.013	0.03	0.066	0.13	0.21	0.25	0.32	0.09	0.077
AMS14	Anzac	60	95%	0	1.6E-3	5.5E-3	9.5E-3	0.024	0.065	0.11	0.15	0.2	0.043	0.046
AMS21	Conklin	47	98%	0	5.2E-3	7E-3	0.015	0.046	0.13	0.31	0.43	1	0.12	0.19
AMS22	Janvier	60	98%	0	5.3E-3	8.1E-3	0.013	0.03	0.066	0.1	0.14	0.2	0.043	0.043
AMS13	Fort McKay South	61	100%	5.8E-3	7.6E-3	0.012	0.03	0.075	0.15	0.3	0.35	0.5	0.11	0.11
AMS30	Ells River	60	100%	1.8E-3	5E-3	6.5E-3	0.025	0.056	0.1	0.21	0.33	0.41	0.084	0.092





Particulate Matter <10µm Tested For Elements - Manganese (µg/m<sup>3</sup>) - 2021

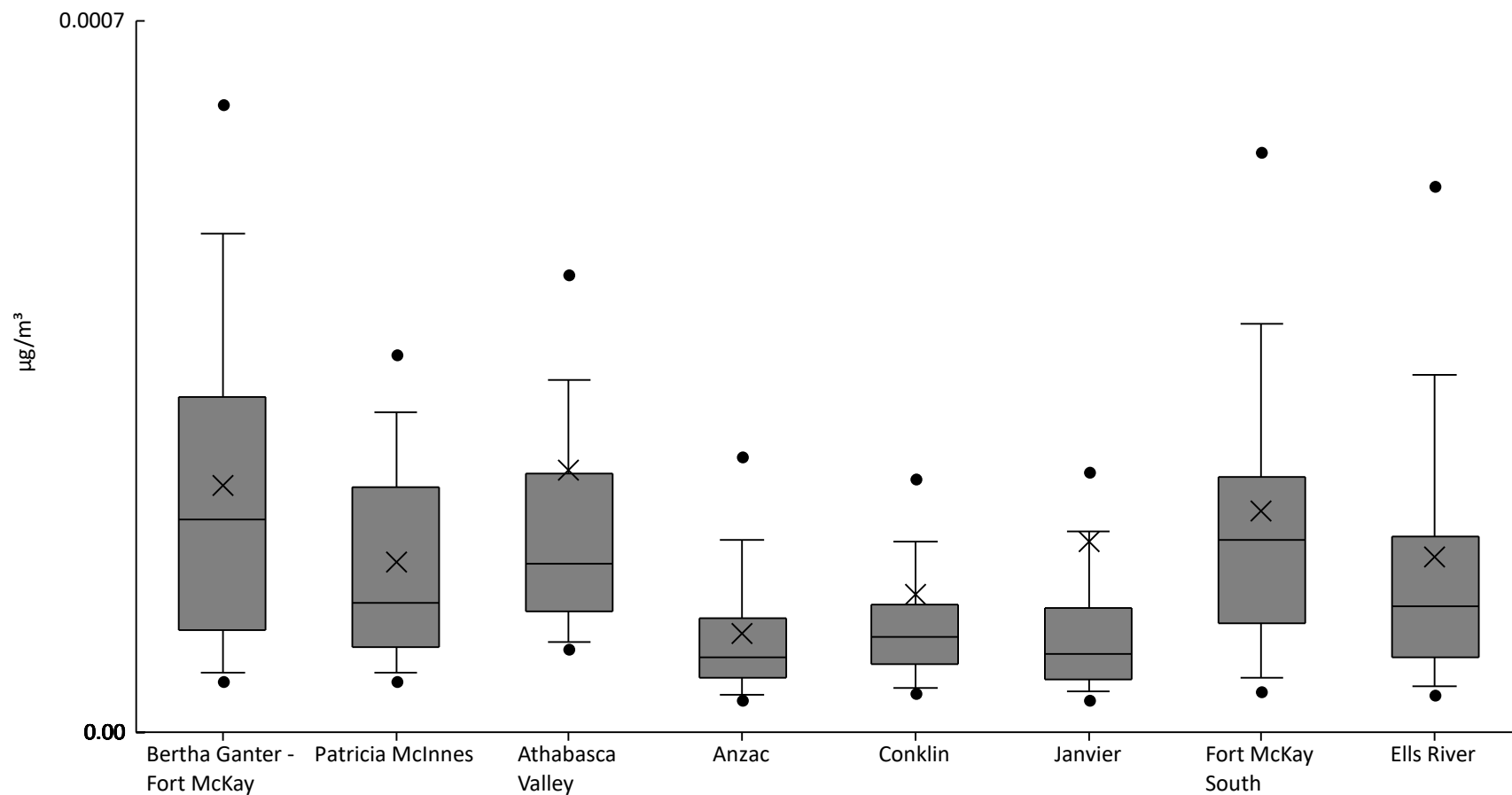
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	5E-6	5.4E-4	1.1E-3	3.1E-3	7.5E-3	0.015	0.019	0.039	0.071	0.011	0.013
AMS06	Patricia McInnes	61	100%	1.4E-4	3.7E-4	7.7E-4	1.2E-3	2.5E-3	6.7E-3	0.012	0.017	0.029	4.9E-3	5.8E-3
AMS07	Athabasca Valley	61	100%	4.4E-4	6.8E-4	9.6E-4	1.6E-3	4.7E-3	8.9E-3	0.013	0.018	0.031	6.1E-3	6.1E-3
AMS14	Anzac	60	98%	2.3E-5	3.3E-4	5.2E-4	6.8E-4	1.5E-3	3.4E-3	8.3E-3	0.012	0.021	2.9E-3	4E-3
AMS21	Conklin	47	100%	2.2E-4	3.1E-4	4.2E-4	9.4E-4	2.9E-3	7.2E-3	0.019	0.028	0.071	7.3E-3	0.012
AMS22	Janvier	60	100%	2.3E-4	3.5E-4	3.9E-4	6.9E-4	1.4E-3	3.4E-3	9.8E-3	0.013	0.014	3E-3	3.7E-3
AMS13	Fort McKay South	61	100%	3.4E-4	5.4E-4	1E-3	1.9E-3	4.4E-3	0.01	0.02	0.027	0.039	7.8E-3	8.7E-3
AMS30	Ells River	60	100%	2E-4	4.5E-4	7.6E-4	1.4E-3	3.4E-3	7.9E-3	0.016	0.02	0.026	5.8E-3	6.2E-3





Particulate Matter <10µm Tested For Elements - Molybdenum (µg/m³) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	2E-6	5E-5	5.9E-5	1E-4	2.1E-4	3.3E-4	4.9E-4	6.2E-4	8.9E-4	2.4E-4	1.9E-4
AMS06	Patricia McInnes	61	100%	3.8E-5	5E-5	5.8E-5	8.3E-5	1.3E-4	2.4E-4	3.1E-4	3.7E-4	6.3E-4	1.7E-4	1.1E-4
AMS07	Athabasca Valley	61	100%	5.5E-5	8.2E-5	8.9E-5	1.2E-4	1.7E-4	2.6E-4	3.5E-4	4.5E-4	4.1E-3	2.6E-4	5.1E-4
AMS14	Anzac	60	97%	2E-6	3.2E-5	3.7E-5	5.4E-5	7.5E-5	1.1E-4	1.9E-4	2.7E-4	3.4E-4	9.7E-5	7.1E-5
AMS21	Conklin	47	100%	3.6E-5	3.8E-5	4.4E-5	6.8E-5	9.3E-5	1.3E-4	1.9E-4	2.5E-4	1.7E-3	1.4E-4	2.3E-4
AMS22	Janvier	60	100%	2.7E-5	3.1E-5	4.1E-5	5.3E-5	7.8E-5	1.2E-4	2E-4	2.6E-4	5.6E-3	1.9E-4	7.1E-4
AMS13	Fort McKay South	61	100%	3.6E-5	4.1E-5	5.4E-5	1.1E-4	1.9E-4	2.5E-4	4E-4	5.7E-4	1.1E-3	2.2E-4	1.8E-4
AMS30	Ells River	60	100%	2.8E-5	3.7E-5	4.6E-5	7.4E-5	1.2E-4	1.9E-4	3.5E-4	5.4E-4	1E-3	1.7E-4	1.7E-4

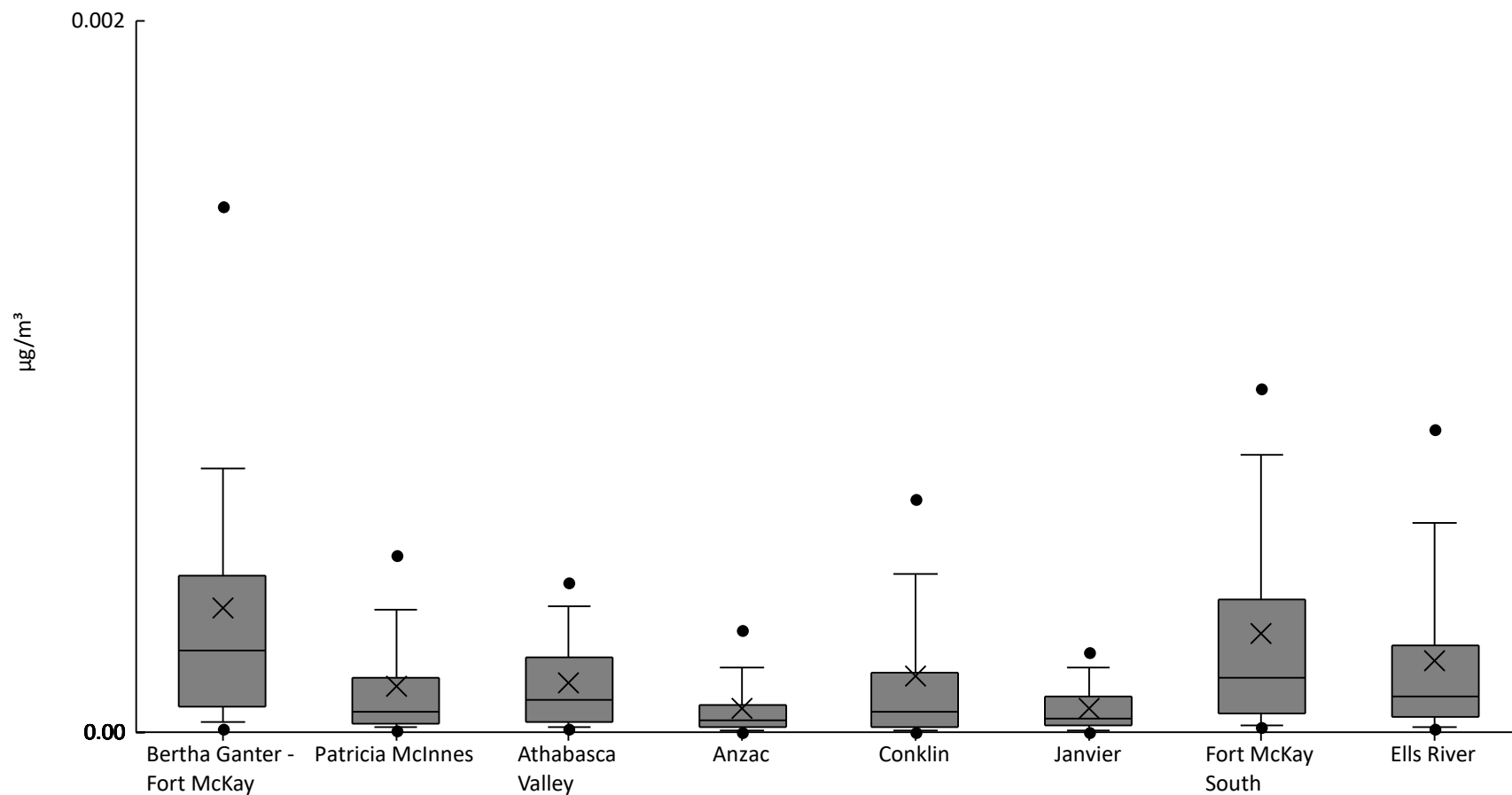






Particulate Matter <10µm Tested For Elements - Neodymium (µg/m<sup>3</sup>) - 2021

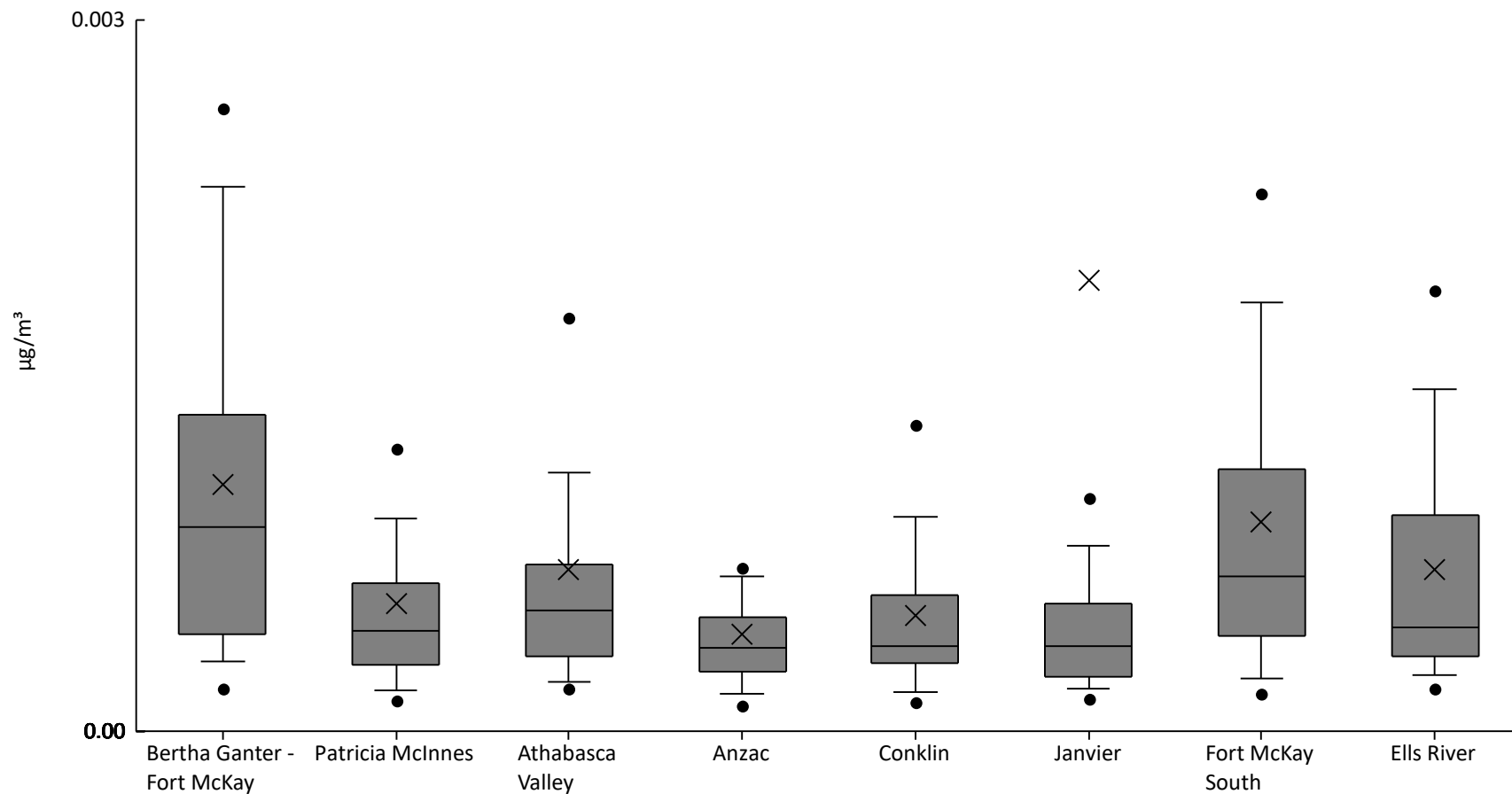
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	97%	0	9E-6	2.9E-5	7.2E-5	2.3E-4	4.4E-4	7.4E-4	1.5E-3	1.8E-3	3.5E-4	4.1E-4
AMS06	Patricia McInnes	61	98%	5E-6	7.1E-6	1.2E-5	2.3E-5	5.8E-5	1.5E-4	3.5E-4	5E-4	8.9E-4	1.3E-4	1.8E-4
AMS07	Athabasca Valley	61	98%	5E-6	8.1E-6	1.3E-5	2.9E-5	9E-5	2.1E-4	3.5E-4	4.2E-4	7.2E-4	1.4E-4	1.5E-4
AMS14	Anzac	60	87%	0	2E-6	4.5E-6	1.4E-5	3.2E-5	7.8E-5	1.8E-4	2.9E-4	3.4E-4	6.5E-5	8.3E-5
AMS21	Conklin	47	87%	1E-6	1E-6	3.4E-6	1.5E-5	5.7E-5	1.7E-4	4.5E-4	6.5E-4	1.6E-3	1.6E-4	2.8E-4
AMS22	Janvier	60	90%	1E-6	2E-6	5.5E-6	1.7E-5	3.6E-5	1E-4	1.8E-4	2.3E-4	3.2E-4	6.9E-5	7.5E-5
AMS13	Fort McKay South	61	100%	8E-6	1.3E-5	2.1E-5	5E-5	1.5E-4	3.7E-4	7.8E-4	9.7E-4	1.2E-3	2.8E-4	3E-4
AMS30	Ells River	60	97%	4E-6	1E-5	1.4E-5	4.4E-5	1E-4	2.4E-4	5.9E-4	8.5E-4	9.5E-4	2E-4	2.4E-4





Particulate Matter <10µm Tested For Elements - Nickel (µg/m³) - 2021

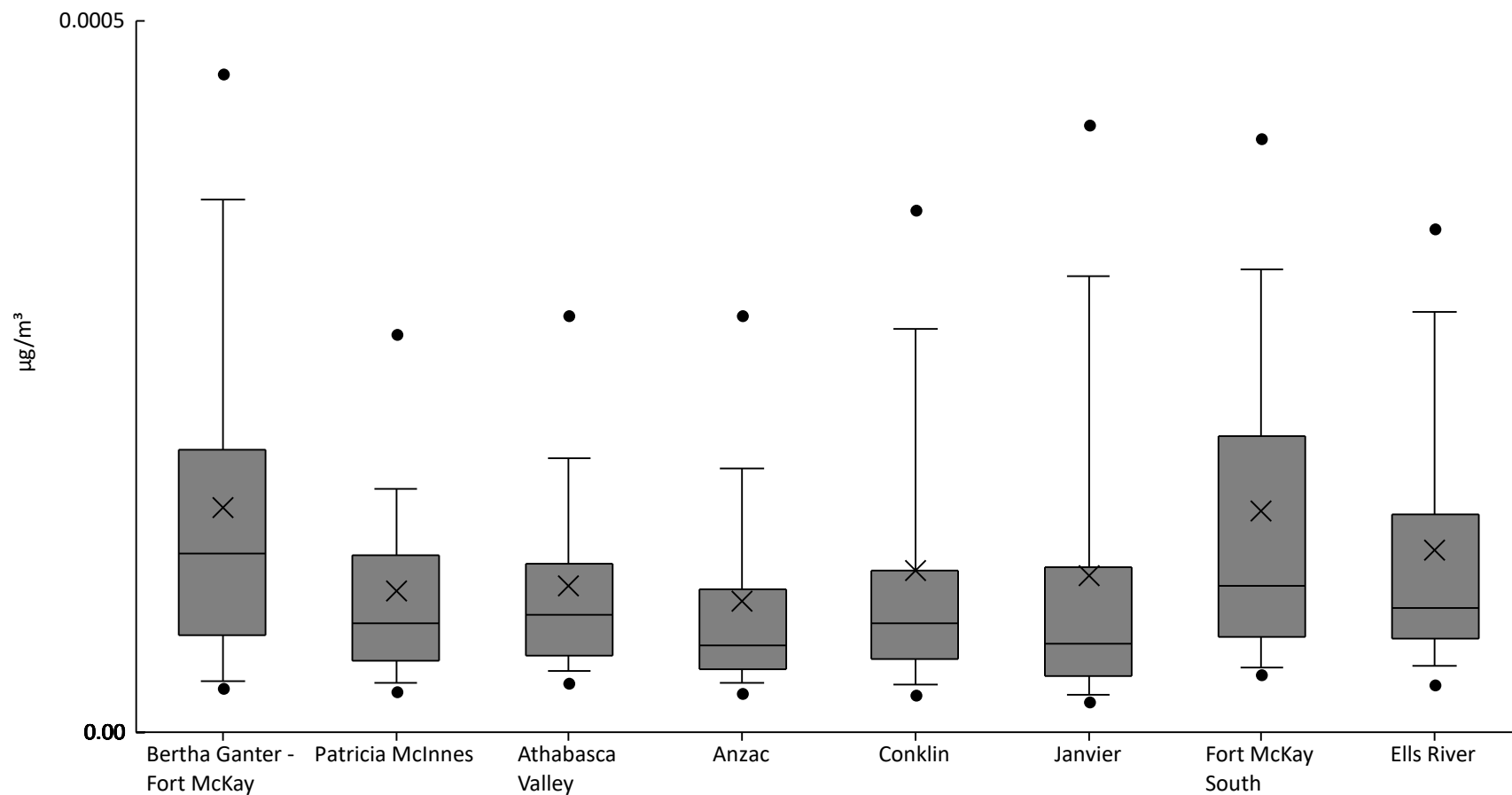
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	1.8E-4	2.9E-4	4.1E-4	8.6E-4	1.3E-3	2.3E-3	2.6E-3	3.6E-3	1E-3	8.1E-4
AMS06	Patricia McInnes	61	100%	1E-4	1.3E-4	1.7E-4	2.8E-4	4.3E-4	6.2E-4	9E-4	1.2E-3	3.8E-3	5.4E-4	5.2E-4
AMS07	Athabasca Valley	61	100%	1.5E-4	1.8E-4	2E-4	3.1E-4	5.1E-4	7E-4	1.1E-3	1.7E-3	6.1E-3	6.8E-4	8.1E-4
AMS14	Anzac	60	98%	0	1.1E-4	1.6E-4	2.5E-4	3.5E-4	4.8E-4	6.6E-4	6.9E-4	2.6E-3	4.1E-4	3.4E-4
AMS21	Conklin	47	98%	0	1.2E-4	1.7E-4	2.8E-4	3.6E-4	5.8E-4	9E-4	1.3E-3	2.3E-3	4.9E-4	4.1E-4
AMS22	Janvier	60	100%	1.1E-4	1.4E-4	1.8E-4	2.3E-4	3.6E-4	5.4E-4	7.8E-4	9.9E-4	0.085	1.9E-3	0.011
AMS13	Fort McKay South	61	100%	1.3E-4	1.6E-4	2.2E-4	4E-4	6.6E-4	1.1E-3	1.8E-3	2.3E-3	3.8E-3	8.8E-4	7.6E-4
AMS30	Ells River	60	100%	7.8E-5	1.8E-4	2.4E-4	3.2E-4	4.4E-4	9.1E-4	1.4E-3	1.9E-3	2.8E-3	6.8E-4	5.6E-4





Particulate Matter <10µm Tested For Elements - Niobium (µg/m³) - 2021

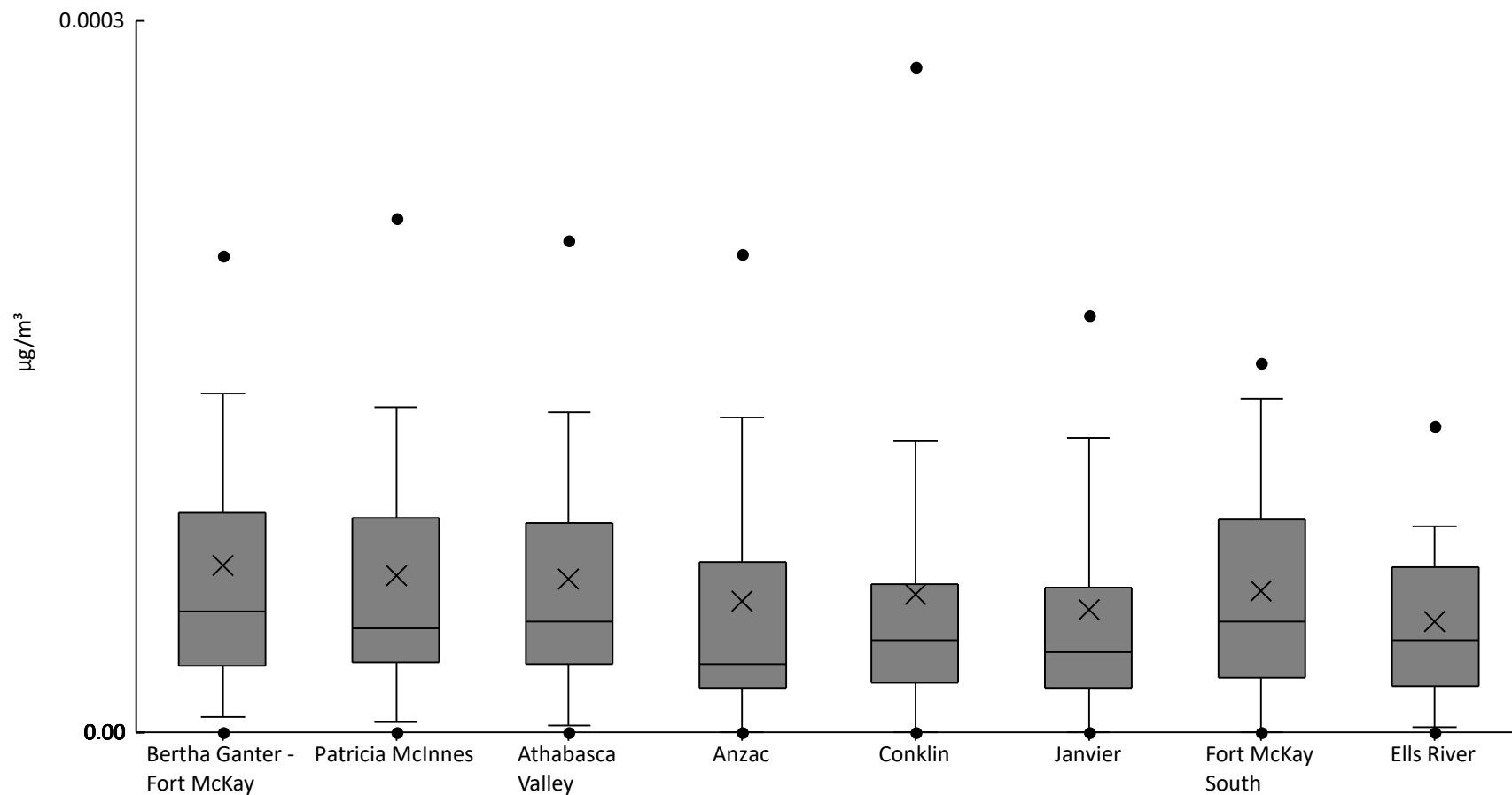
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	1E-6	3.2E-5	3.6E-5	6.8E-5	1.3E-4	2E-4	3.8E-4	4.6E-4	6.8E-4	1.6E-4	1.3E-4
AMS06	Patricia McInnes	61	100%	2.4E-5	2.9E-5	3.5E-5	5E-5	7.6E-5	1.2E-4	1.7E-4	2.8E-4	3.7E-4	9.9E-5	7.4E-5
AMS07	Athabasca Valley	61	100%	2.6E-5	3.5E-5	4.3E-5	5.4E-5	8.2E-5	1.2E-4	1.9E-4	2.9E-4	4.4E-4	1E-4	8.1E-5
AMS14	Anzac	60	98%	1E-6	2.8E-5	3.5E-5	4.5E-5	6.1E-5	1E-4	1.9E-4	2.9E-4	4E-4	9.2E-5	8.3E-5
AMS21	Conklin	47	100%	2.1E-5	2.6E-5	3.4E-5	5.2E-5	7.7E-5	1.1E-4	2.8E-4	3.7E-4	3.9E-4	1.1E-4	9.9E-5
AMS22	Janvier	60	100%	1.5E-5	2.2E-5	2.6E-5	3.9E-5	6.2E-5	1.2E-4	3.2E-4	4.3E-4	5.9E-4	1.1E-4	1.3E-4
AMS13	Fort McKay South	61	100%	3.2E-5	4E-5	4.5E-5	6.7E-5	1E-4	2.1E-4	3.2E-4	4.2E-4	6.4E-4	1.6E-4	1.3E-4
AMS30	Ells River	60	100%	2.7E-5	3.3E-5	4.7E-5	6.6E-5	8.8E-5	1.5E-4	3E-4	3.5E-4	5.7E-4	1.3E-4	1E-4





Particulate Matter <10µm Tested For Elements - Palladium (µg/m³) - 2021

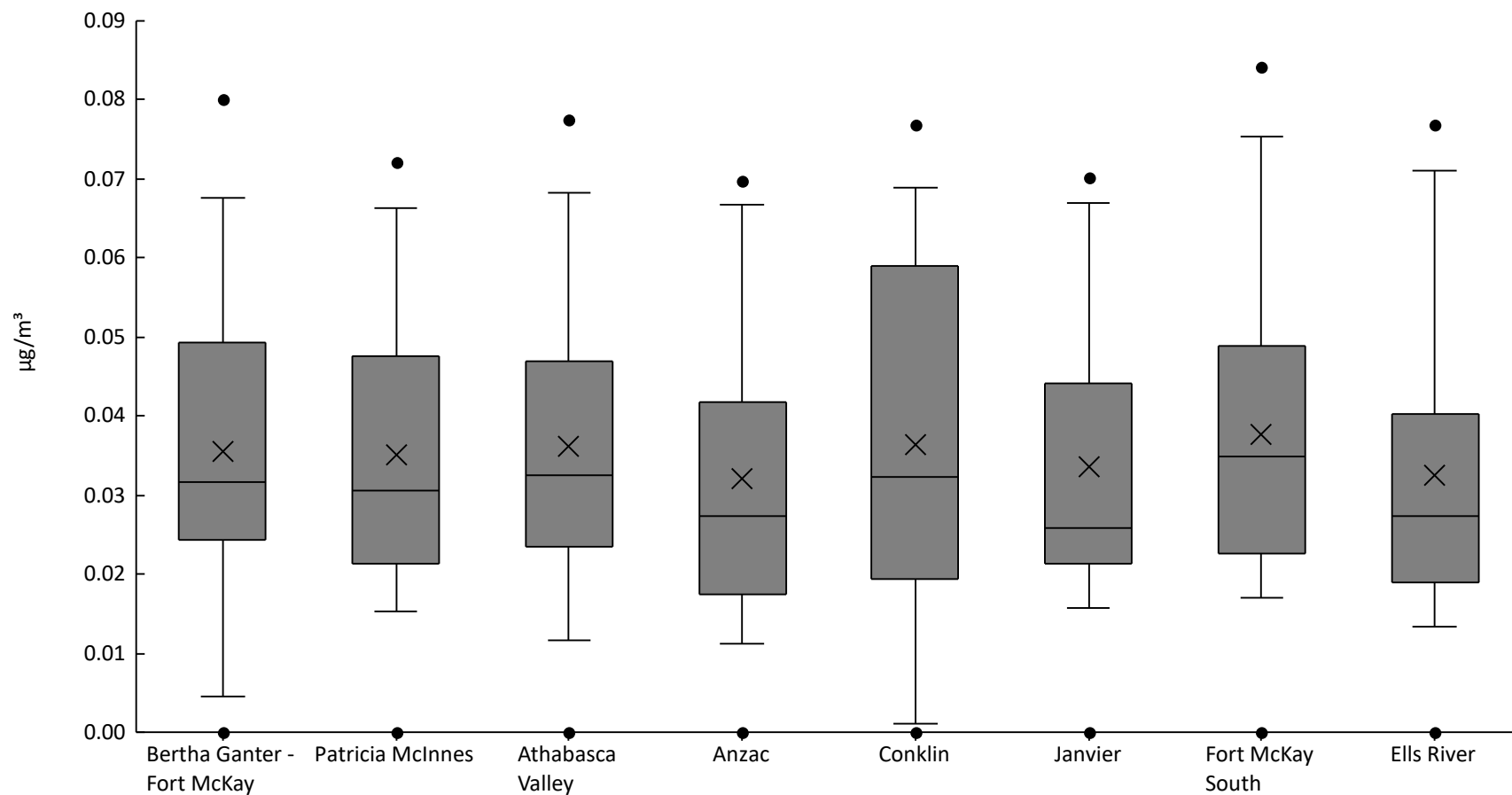
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	51%	0	0	6.2E-6	2.8E-5	5.1E-5	9.3E-5	1.4E-4	2E-4	3.8E-4	7E-5	7.2E-5
AMS06	Patricia McInnes	61	43%	0	0	4.2E-6	2.9E-5	4.4E-5	9E-5	1.4E-4	2.2E-4	3.3E-4	6.6E-5	6.9E-5
AMS07	Athabasca Valley	61	44%	0	0	3E-6	2.9E-5	4.7E-5	8.8E-5	1.4E-4	2.1E-4	3.1E-4	6.4E-5	6.2E-5
AMS14	Anzac	60	37%	0	0	0	1.9E-5	2.9E-5	7.2E-5	1.3E-4	2E-4	3.4E-4	5.5E-5	6.9E-5
AMS21	Conklin	47	32%	0	0	0	2.1E-5	3.9E-5	6.3E-5	1.2E-4	2.8E-4	3.9E-4	5.8E-5	8E-5
AMS22	Janvier	60	35%	0	0	0	1.9E-5	3.4E-5	6.1E-5	1.2E-4	1.8E-4	2.9E-4	5.2E-5	5.8E-5
AMS13	Fort McKay South	61	44%	0	0	0	2.3E-5	4.7E-5	9E-5	1.4E-4	1.6E-4	2.5E-4	5.9E-5	5.3E-5
AMS30	Ells River	60	40%	0	0	2.5E-6	2E-5	3.9E-5	7E-5	8.7E-5	1.3E-4	1.7E-4	4.7E-5	3.8E-5





Particulate Matter <10µm Tested For Elements - Phosphorus (µg/m³) - 2021

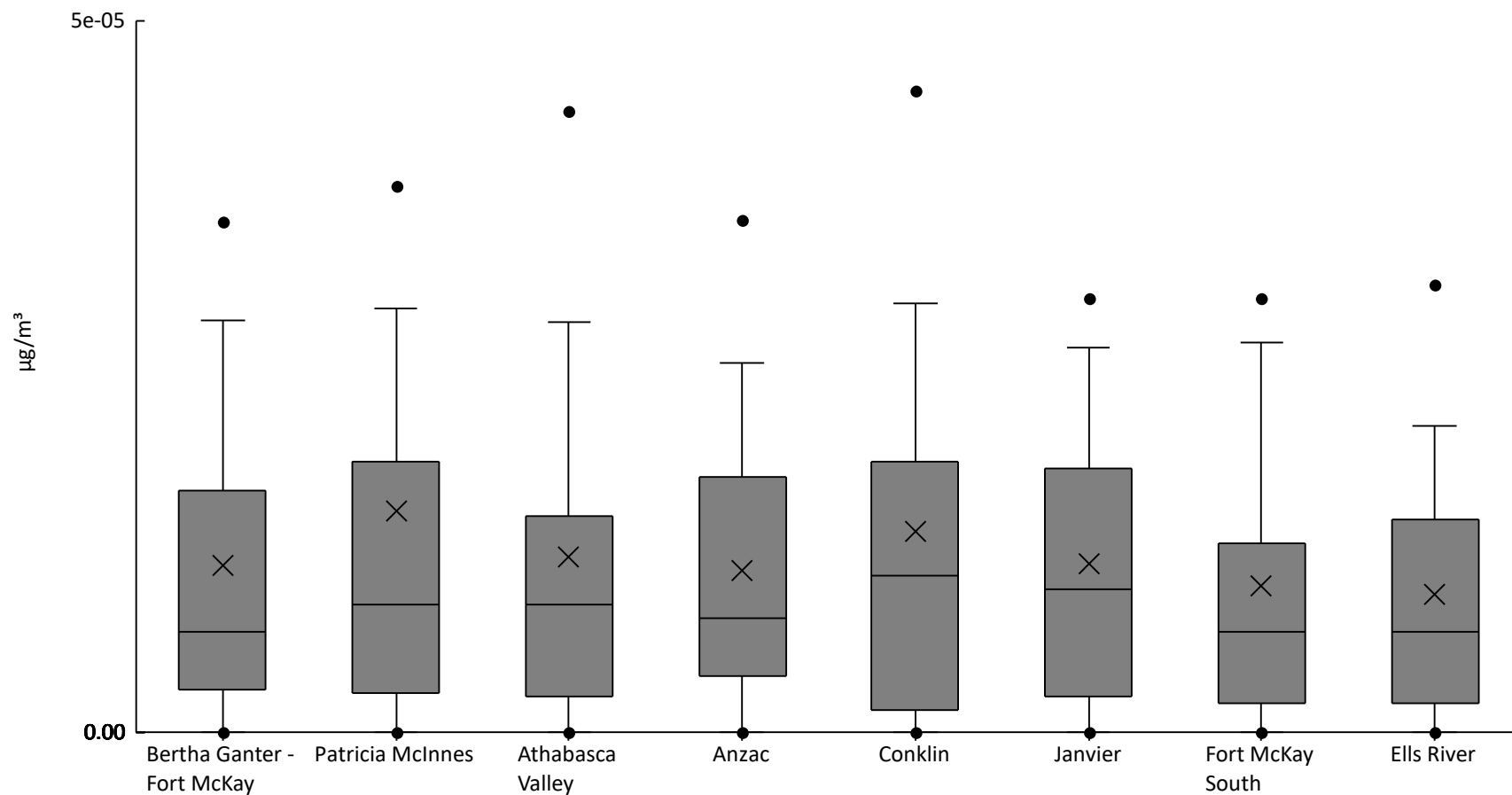
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	90%	0	0	4.5E-3	0.024	0.032	0.049	0.068	0.08	0.1	0.035	0.022
AMS06	Patricia McInnes	61	92%	0	0	0.015	0.021	0.031	0.047	0.066	0.072	0.082	0.035	0.02
AMS07	Athabasca Valley	61	90%	0	0	0.012	0.024	0.033	0.047	0.068	0.078	0.093	0.036	0.021
AMS14	Anzac	60	92%	0	0	0.011	0.018	0.027	0.042	0.067	0.07	0.08	0.032	0.021
AMS21	Conklin	47	89%	0	0	1.1E-3	0.019	0.032	0.059	0.069	0.077	0.081	0.036	0.023
AMS22	Janvier	60	93%	0	0	0.016	0.021	0.026	0.044	0.067	0.07	0.081	0.034	0.02
AMS13	Fort McKay South	61	92%	0	0	0.017	0.023	0.035	0.049	0.075	0.084	0.087	0.038	0.023
AMS30	Ells River	60	92%	0	0	0.013	0.019	0.027	0.04	0.071	0.077	0.091	0.032	0.022





Particulate Matter <10µm Tested For Elements - Platinum (µg/m³) - 2021

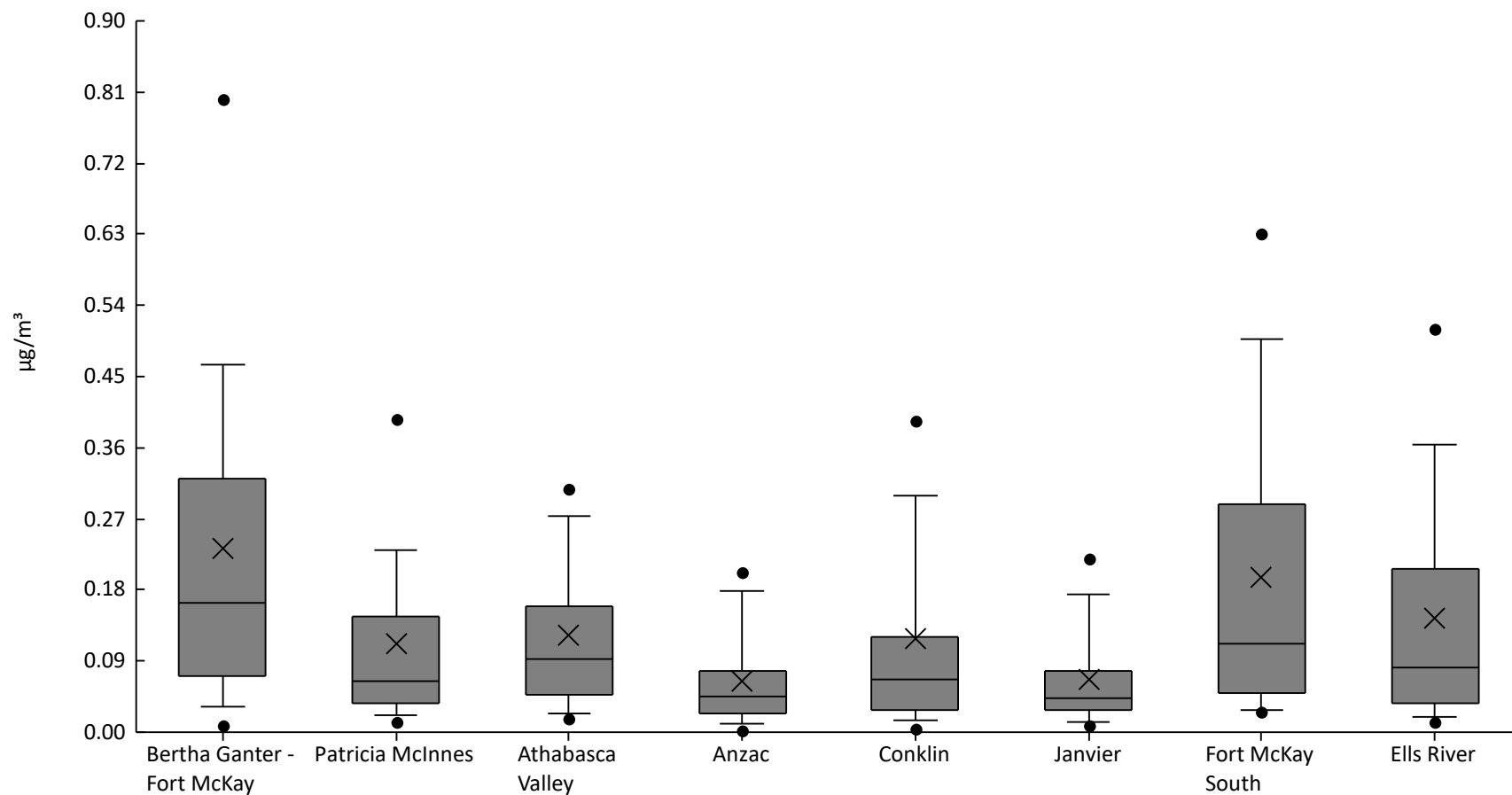
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	66%	0	0	0	3E-6	7E-6	1.7E-5	2.9E-5	3.6E-5	6.6E-5	1.2E-5	1.3E-5
AMS06	Patricia McInnes	61	70%	0	0	0	2.8E-6	9E-6	1.9E-5	3E-5	3.8E-5	2.3E-4	1.6E-5	3E-5
AMS07	Athabasca Valley	61	64%	0	0	0	2.5E-6	9E-6	1.5E-5	2.9E-5	4.4E-5	9E-5	1.2E-5	1.7E-5
AMS14	Anzac	60	70%	0	0	0	4E-6	8E-6	1.8E-5	2.6E-5	3.6E-5	4.2E-5	1.1E-5	1.1E-5
AMS21	Conklin	47	70%	0	0	0	1.5E-6	1.1E-5	1.9E-5	3E-5	4.5E-5	8.5E-5	1.4E-5	1.6E-5
AMS22	Janvier	60	67%	0	0	0	2.5E-6	1E-5	1.9E-5	2.7E-5	3.1E-5	5.3E-5	1.2E-5	1.1E-5
AMS13	Fort McKay South	61	62%	0	0	0	2E-6	7E-6	1.3E-5	2.7E-5	3E-5	5.6E-5	1E-5	1.1E-5
AMS30	Ells River	60	62%	0	0	0	2E-6	7E-6	1.5E-5	2.2E-5	3.2E-5	4.4E-5	9.6E-6	9.9E-6





Particulate Matter <10µm Tested For Elements - Potassium (µg/m³) - 2021

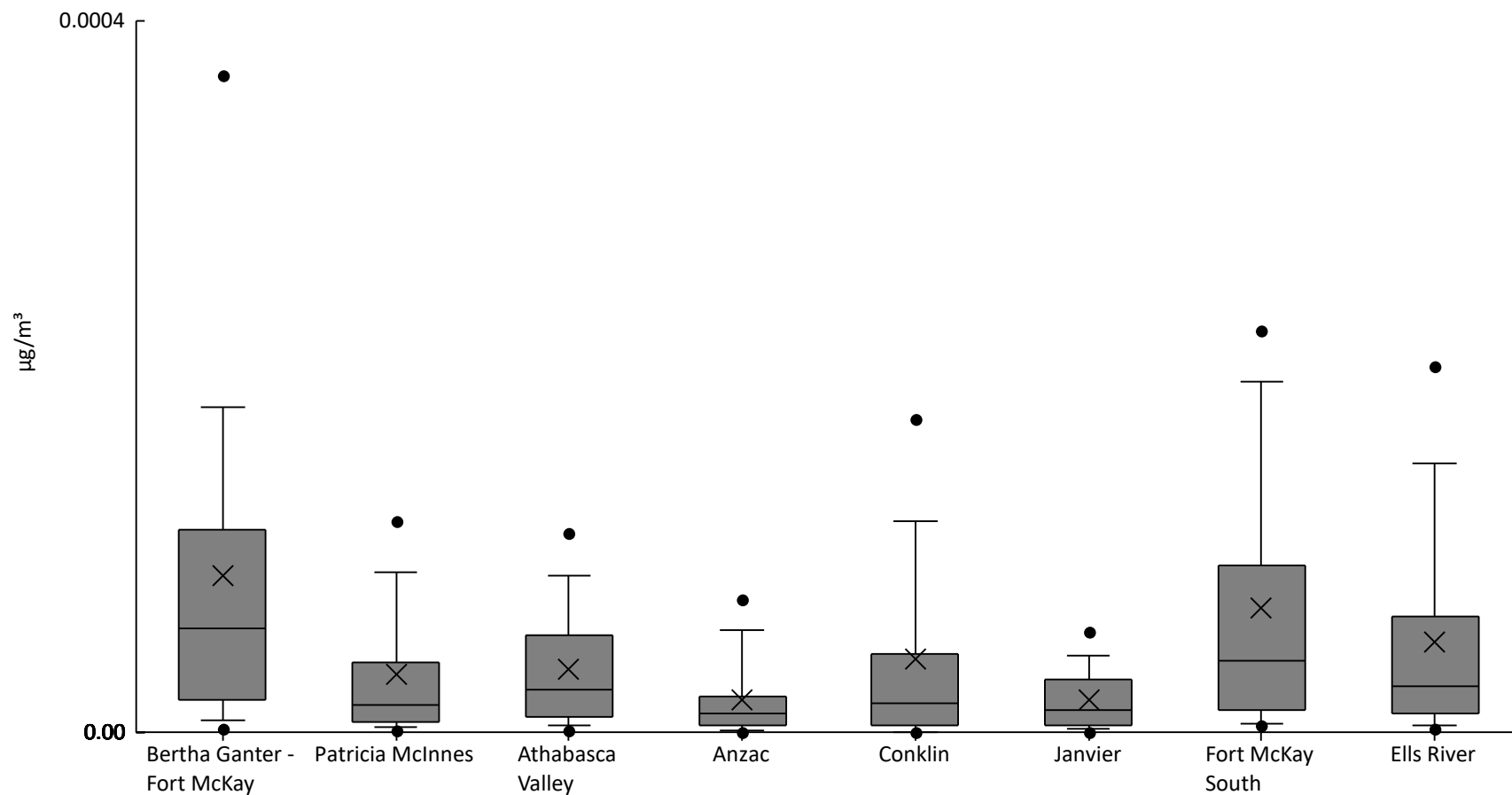
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	9.2E-3	0.031	0.072	0.16	0.32	0.47	0.8	0.99	0.23	0.23
AMS06	Patricia McInnes	61	97%	0	0.013	0.021	0.038	0.064	0.15	0.23	0.4	0.7	0.11	0.13
AMS07	Athabasca Valley	61	97%	0	0.016	0.024	0.048	0.092	0.16	0.27	0.31	0.57	0.12	0.11
AMS14	Anzac	60	95%	0	2.2E-3	0.011	0.024	0.045	0.078	0.18	0.2	0.28	0.065	0.064
AMS21	Conklin	47	98%	0	4.4E-3	0.016	0.028	0.067	0.12	0.3	0.39	0.91	0.12	0.16
AMS22	Janvier	60	97%	0	7.8E-3	0.014	0.027	0.043	0.078	0.17	0.22	0.31	0.068	0.067
AMS13	Fort McKay South	61	97%	0	0.026	0.029	0.05	0.11	0.29	0.5	0.63	0.91	0.19	0.2
AMS30	Ells River	60	100%	7.1E-4	0.013	0.02	0.037	0.081	0.21	0.36	0.51	0.7	0.14	0.16





Particulate Matter <10µm Tested For Elements - Praseodymium (µg/m³) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	2E-6	6.6E-6	1.8E-5	5.8E-5	1.1E-4	1.8E-4	3.7E-4	4.6E-4	8.8E-5	1E-4
AMS06	Patricia McInnes	61	93%	0	1E-6	3E-6	5.8E-6	1.5E-5	4E-5	9E-5	1.2E-4	2E-4	3.2E-5	4.2E-5
AMS07	Athabasca Valley	61	95%	0	1.1E-6	3.6E-6	8.8E-6	2.4E-5	5.4E-5	8.8E-5	1.1E-4	1.7E-4	3.5E-5	3.6E-5
AMS14	Anzac	60	83%	0	0	5E-7	3.5E-6	1.1E-5	2.1E-5	5.7E-5	7.5E-5	9.4E-5	1.8E-5	2.2E-5
AMS21	Conklin	47	85%	0	0	2E-7	4.3E-6	1.6E-5	4.4E-5	1.2E-4	1.8E-4	3.6E-4	4.1E-5	6.9E-5
AMS22	Janvier	60	90%	0	0	1.5E-6	4E-6	1.3E-5	3E-5	4.3E-5	5.7E-5	8.3E-5	1.8E-5	1.8E-5
AMS13	Fort McKay South	61	100%	3E-6	3.6E-6	4.6E-6	1.2E-5	4E-5	9.4E-5	2E-4	2.3E-4	3.3E-4	7E-5	7.5E-5
AMS30	Ells River	60	98%	1E-6	2E-6	4E-6	1.1E-5	2.6E-5	6.5E-5	1.5E-4	2.1E-4	2.5E-4	5.1E-5	6.1E-5

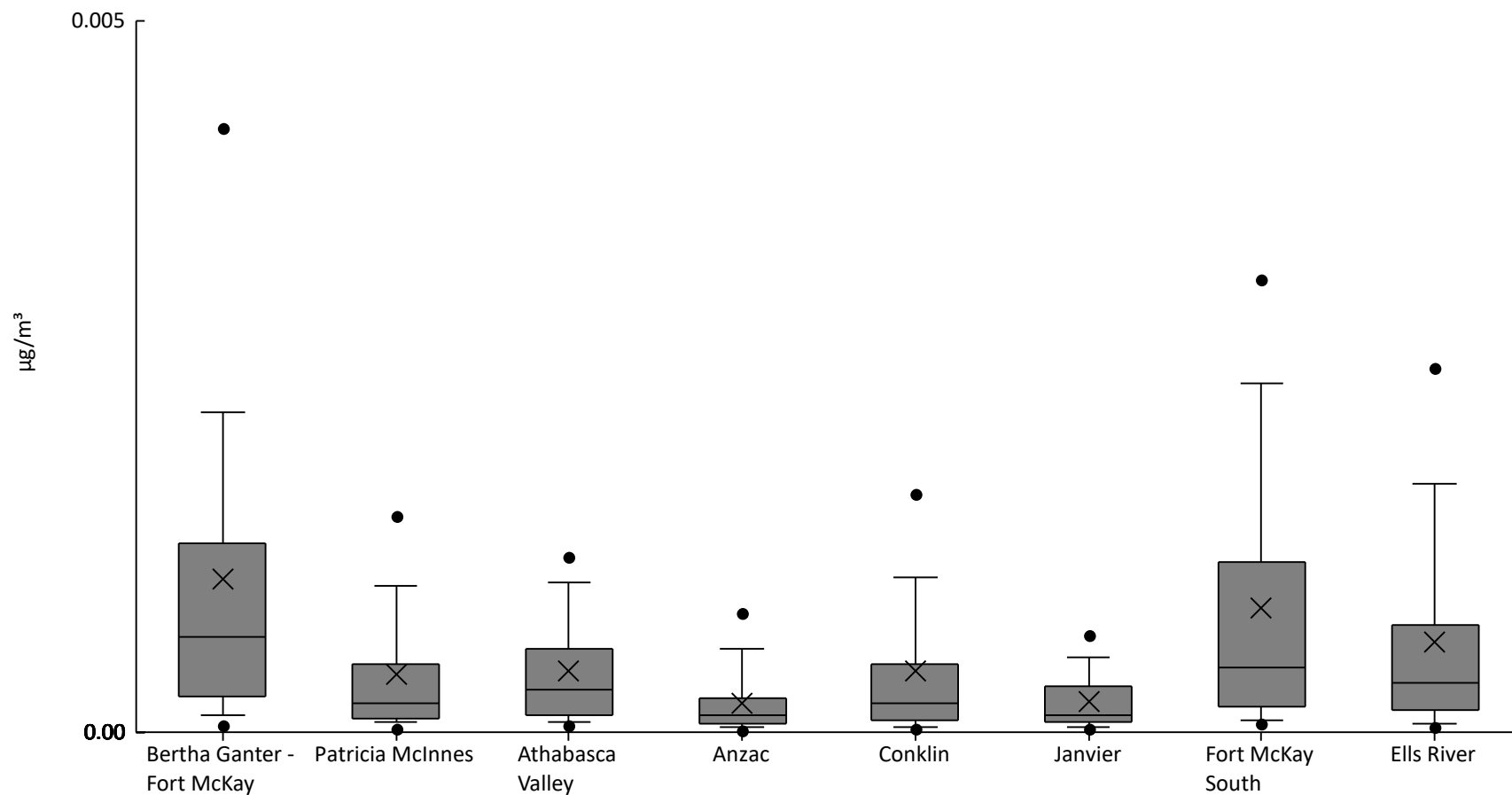






Particulate Matter <10µm Tested For Elements - Rubidium (µg/m³) - 2021

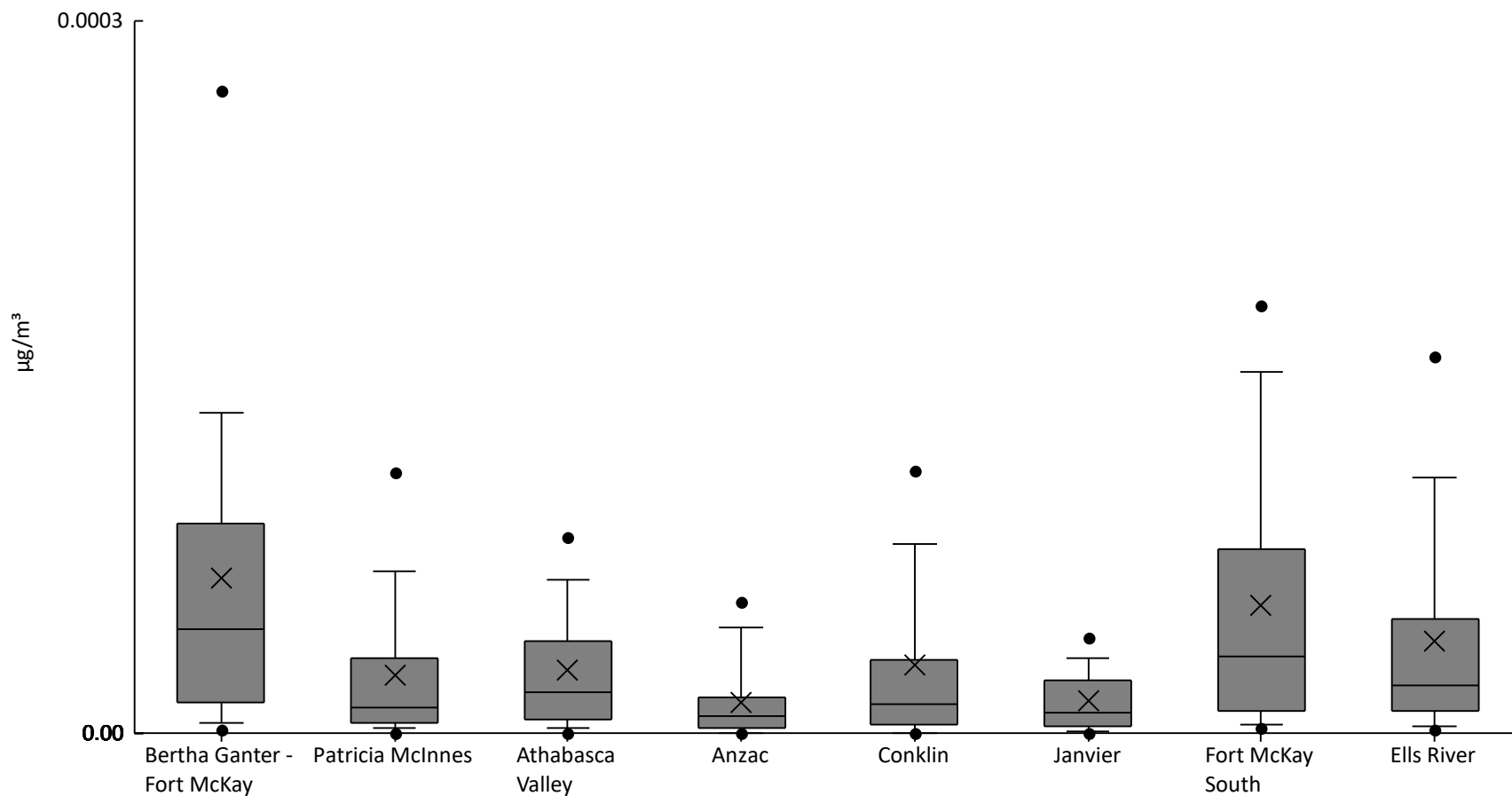
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	5.3E-5	1.2E-4	2.5E-4	6.7E-4	1.3E-3	2.3E-3	4.2E-3	5.4E-3	1.1E-3	1.2E-3
AMS06	Patricia McInnes	61	100%	1.3E-5	3E-5	6.7E-5	9.5E-5	2.1E-4	4.8E-4	1E-3	1.5E-3	3E-3	4E-4	5.4E-4
AMS07	Athabasca Valley	61	100%	2.2E-5	4.8E-5	6.9E-5	1.2E-4	3E-4	5.9E-4	1.1E-3	1.2E-3	2.3E-3	4.3E-4	4.3E-4
AMS14	Anzac	60	98%	0	1.6E-5	3.4E-5	6E-5	1.2E-4	2.4E-4	5.9E-4	8.4E-4	9.7E-4	2.1E-4	2.4E-4
AMS21	Conklin	47	100%	1E-5	2.2E-5	3.6E-5	8E-5	2.1E-4	4.8E-4	1.1E-3	1.7E-3	3.7E-3	4.3E-4	6.7E-4
AMS22	Janvier	60	98%	3E-6	1.8E-5	3.7E-5	7E-5	1.2E-4	3.2E-4	5.3E-4	6.9E-4	1E-3	2.1E-4	2.2E-4
AMS13	Fort McKay South	61	100%	3.6E-5	5.9E-5	8.2E-5	1.7E-4	4.5E-4	1.2E-3	2.4E-3	3.2E-3	3.7E-3	8.7E-4	9.5E-4
AMS30	Ells River	60	100%	1.4E-5	4.2E-5	6.4E-5	1.5E-4	3.5E-4	7.6E-4	1.7E-3	2.6E-3	3.1E-3	6.3E-4	7.4E-4





Particulate Matter <10µm Tested For Elements - Samarium (µg/m³) - 2021

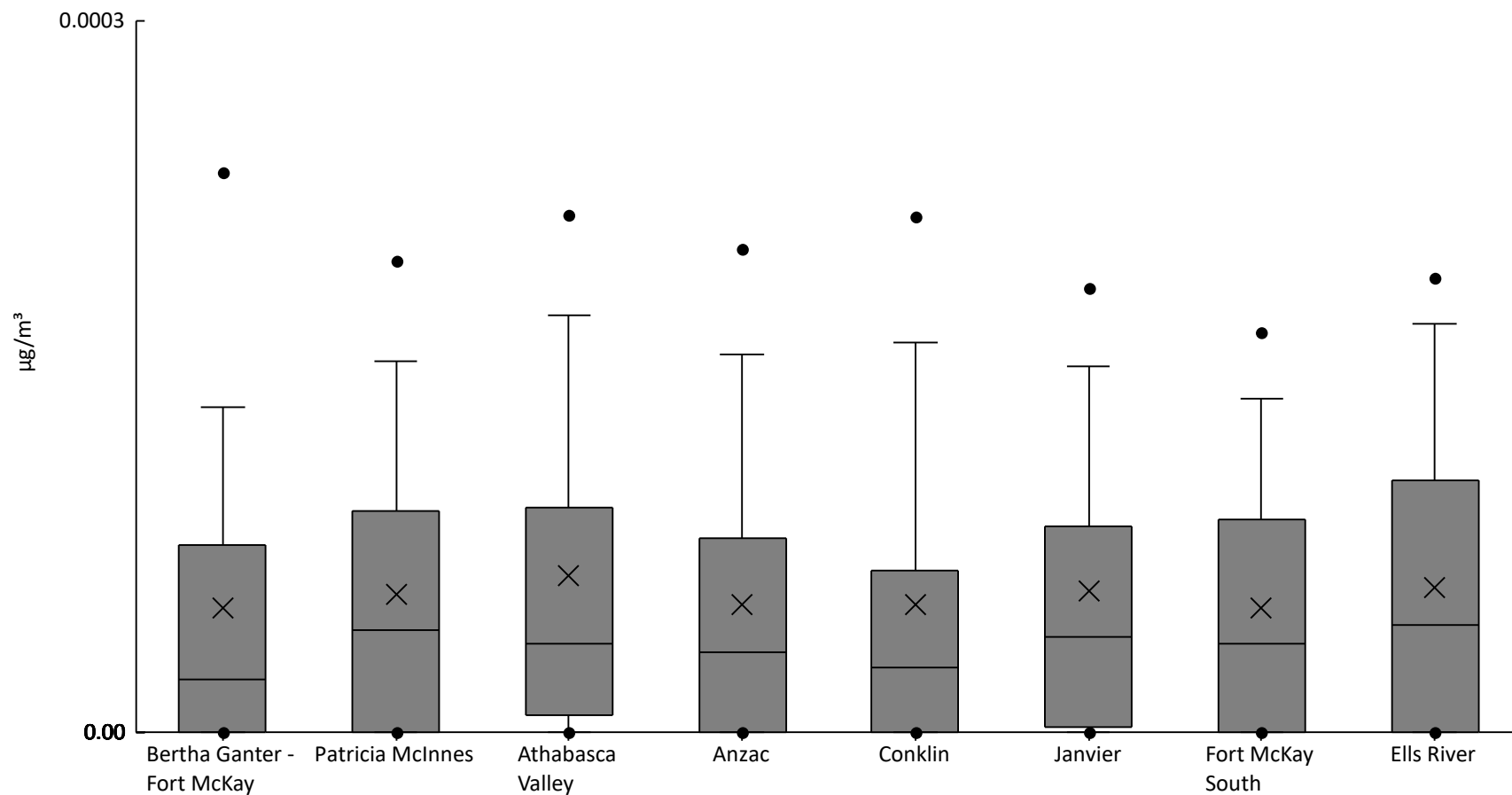
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	87%	0	1.6E-6	4E-6	1.3E-5	4.4E-5	8.8E-5	1.4E-4	2.7E-4	3E-4	6.6E-5	7.4E-5
AMS06	Patricia McInnes	61	67%	0	0	2E-6	4E-6	1.1E-5	3.1E-5	6.8E-5	1.1E-4	1.6E-4	2.5E-5	3.4E-5
AMS07	Athabasca Valley	61	82%	0	0	2E-6	6E-6	1.7E-5	3.9E-5	6.4E-5	8.2E-5	1.4E-4	2.6E-5	2.8E-5
AMS14	Anzac	60	60%	0	0	0	2E-6	7.5E-6	1.5E-5	4.5E-5	5.5E-5	6.1E-5	1.3E-5	1.6E-5
AMS21	Conklin	47	60%	0	0	0	3.3E-6	1.2E-5	3.1E-5	8E-5	1.1E-4	2.6E-4	2.8E-5	4.8E-5
AMS22	Janvier	60	67%	0	0	5E-7	3E-6	8.5E-6	2.3E-5	3.2E-5	4.1E-5	5.7E-5	1.4E-5	1.3E-5
AMS13	Fort McKay South	61	82%	1E-6	2E-6	3.6E-6	9.3E-6	3.2E-5	7.7E-5	1.5E-4	1.8E-4	2.4E-4	5.4E-5	5.7E-5
AMS30	Ells River	60	85%	0	1.5E-6	3E-6	9E-6	2E-5	4.8E-5	1.1E-4	1.6E-4	1.9E-4	3.9E-5	4.6E-5





Particulate Matter <10µm Tested For Elements - Selenium (µg/m³) - 2021

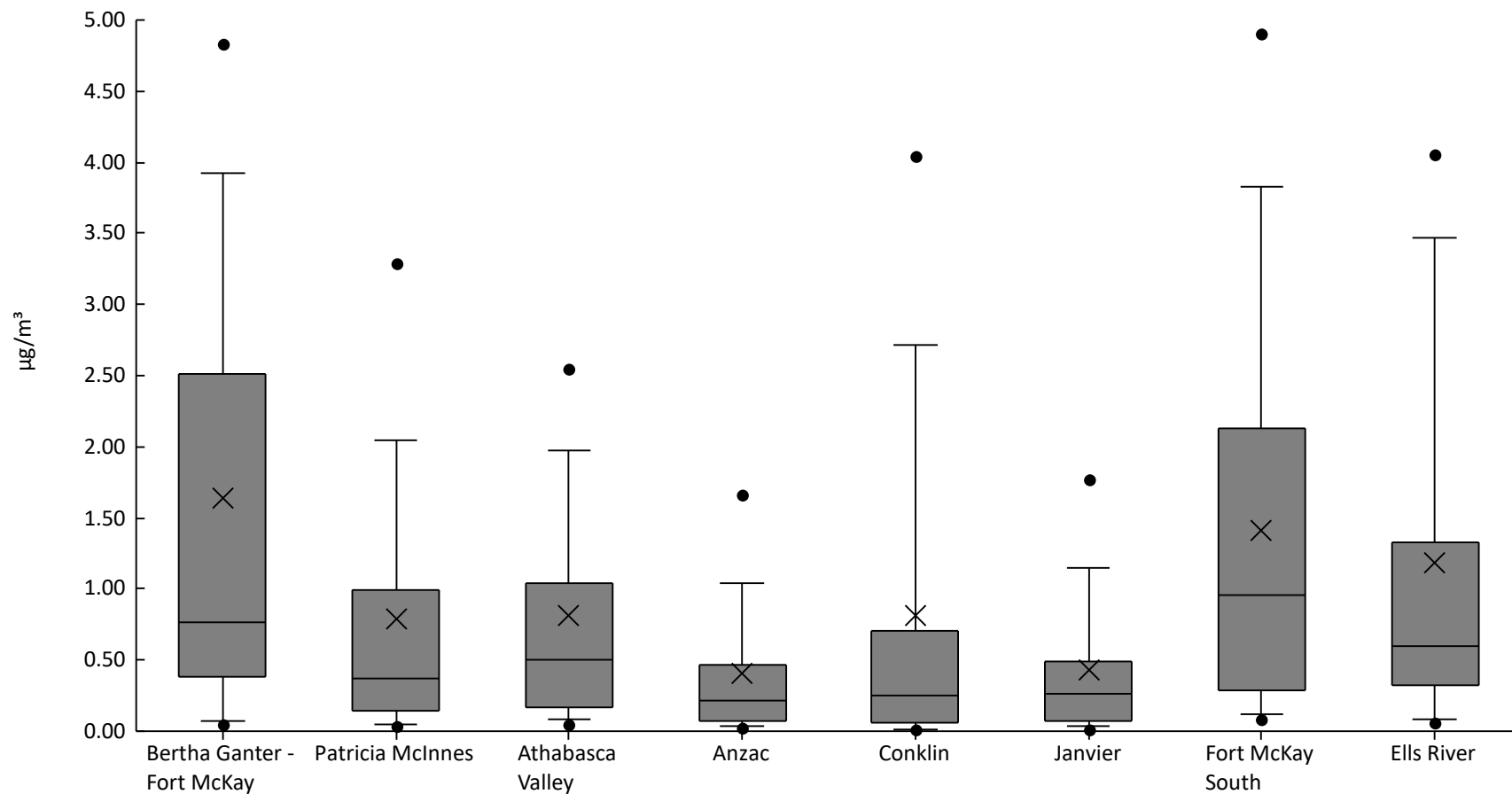
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	10%	0	0	0	0	2.2E-5	7.9E-5	1.4E-4	2.4E-4	3.5E-4	5.3E-5	7.6E-5
AMS06	Patricia McInnes	61	13%	0	0	0	0	4.3E-5	9.3E-5	1.6E-4	2E-4	2.2E-4	5.8E-5	6.3E-5
AMS07	Athabasca Valley	61	20%	0	0	0	7E-6	3.7E-5	9.5E-5	1.8E-4	2.2E-4	3.2E-4	6.6E-5	7.8E-5
AMS14	Anzac	60	15%	0	0	0	0	3.4E-5	8.2E-5	1.6E-4	2E-4	2.3E-4	5.4E-5	6.4E-5
AMS21	Conklin	47	15%	0	0	0	0	2.7E-5	6.8E-5	1.6E-4	2.2E-4	3.3E-4	5.4E-5	7.4E-5
AMS22	Janvier	60	12%	0	0	0	2E-6	4E-5	8.7E-5	1.5E-4	1.9E-4	3.2E-4	5.9E-5	7.1E-5
AMS13	Fort McKay South	61	10%	0	0	0	0	3.7E-5	9E-5	1.4E-4	1.7E-4	2E-4	5.3E-5	5.6E-5
AMS30	Ells River	60	15%	0	0	0	0	4.6E-5	1.1E-4	1.7E-4	1.9E-4	2E-4	6.1E-5	6.2E-5





Particulate Matter <10µm Tested For Elements - Silicon (µg/m³) - 2021

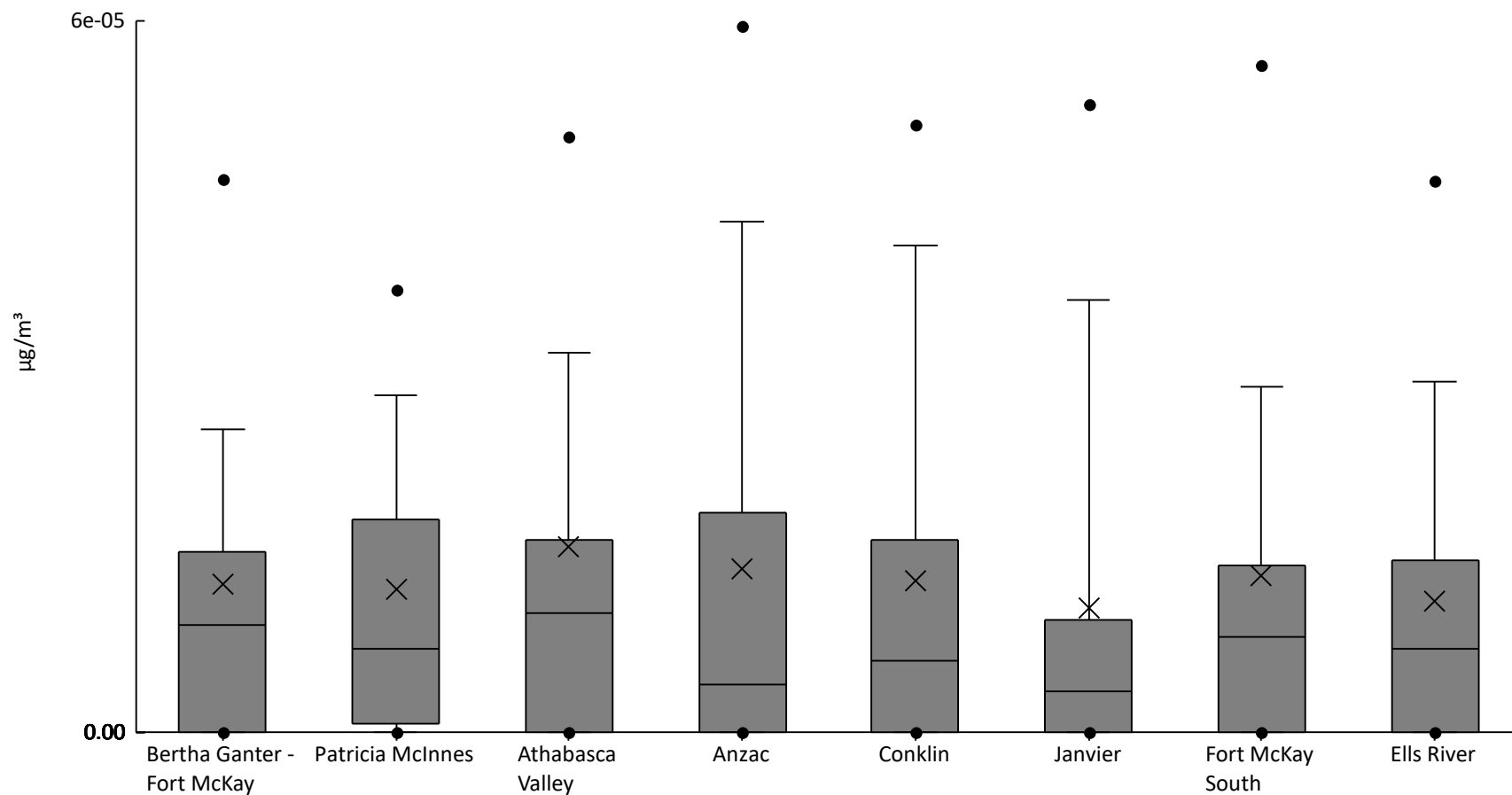
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	0.049	0.077	0.38	0.77	2.5	3.9	4.8	9	1.6	1.9
AMS06	Patricia McInnes	61	100%	0.024	0.034	0.052	0.15	0.38	0.99	2	3.3	4.6	0.79	1
AMS07	Athabasca Valley	61	97%	0	0.053	0.08	0.17	0.5	1	2	2.6	4.7	0.82	0.98
AMS14	Anzac	60	98%	0	0.024	0.032	0.075	0.21	0.46	1	1.7	2.6	0.4	0.53
AMS21	Conklin	47	91%	0	7.4E-3	0.013	0.062	0.25	0.7	2.7	4	6.6	0.81	1.4
AMS22	Janvier	60	98%	8.2E-3	0.017	0.037	0.073	0.26	0.49	1.1	1.8	2.4	0.43	0.54
AMS13	Fort McKay South	61	100%	0.061	0.085	0.12	0.29	0.95	2.1	3.8	4.9	5.4	1.4	1.5
AMS30	Ells River	60	100%	0.034	0.055	0.082	0.32	0.6	1.3	3.5	4.1	7.8	1.2	1.5





Particulate Matter <10µm Tested For Elements - Silver (µg/m³) - 2021

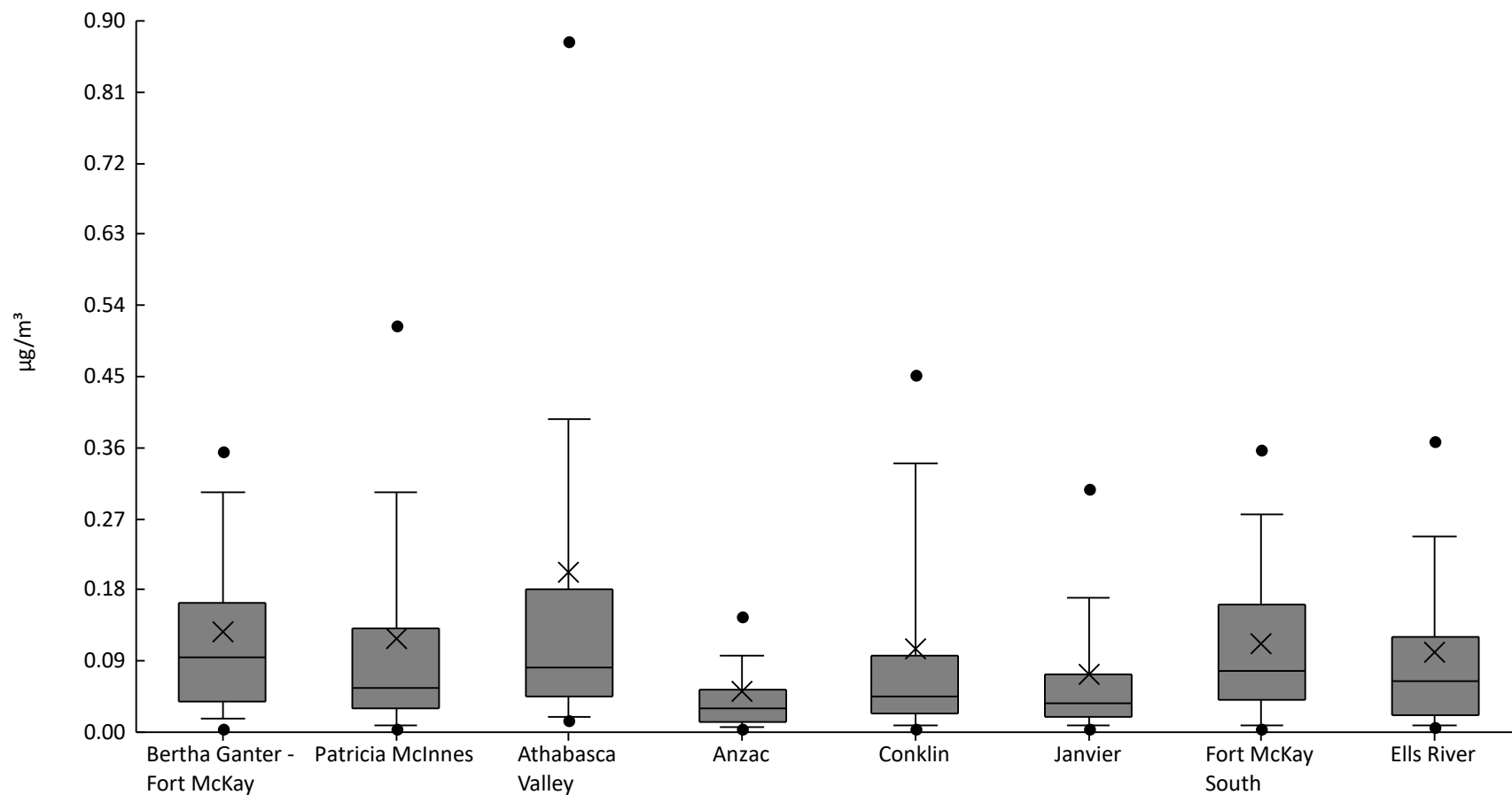
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	66%	0	0	0	0	9E-6	1.5E-5	2.6E-5	4.7E-5	1E-4	1.3E-5	1.7E-5
AMS06	Patricia McInnes	61	61%	0	0	0	7.5E-7	7E-6	1.8E-5	2.8E-5	3.7E-5	8.5E-5	1.2E-5	1.5E-5
AMS07	Athabasca Valley	61	62%	0	0	0	0	1E-5	1.6E-5	3.2E-5	5E-5	1.9E-4	1.6E-5	2.8E-5
AMS14	Anzac	60	48%	0	0	0	0	4E-6	1.9E-5	4.3E-5	6E-5	9.5E-5	1.4E-5	2.2E-5
AMS21	Conklin	47	51%	0	0	0	0	6E-6	1.6E-5	4.1E-5	5.1E-5	9.1E-5	1.3E-5	1.9E-5
AMS22	Janvier	60	47%	0	0	0	0	3.5E-6	9.5E-6	3.7E-5	5.3E-5	9.2E-5	1E-5	1.8E-5
AMS13	Fort McKay South	61	62%	0	0	0	0	8E-6	1.4E-5	2.9E-5	5.6E-5	1.2E-4	1.3E-5	2.1E-5
AMS30	Ells River	60	58%	0	0	0	0	7E-6	1.5E-5	3E-5	4.7E-5	6.1E-5	1.1E-5	1.5E-5





Particulate Matter <10µm Tested For Elements - Sodium (µg/m³) - 2021

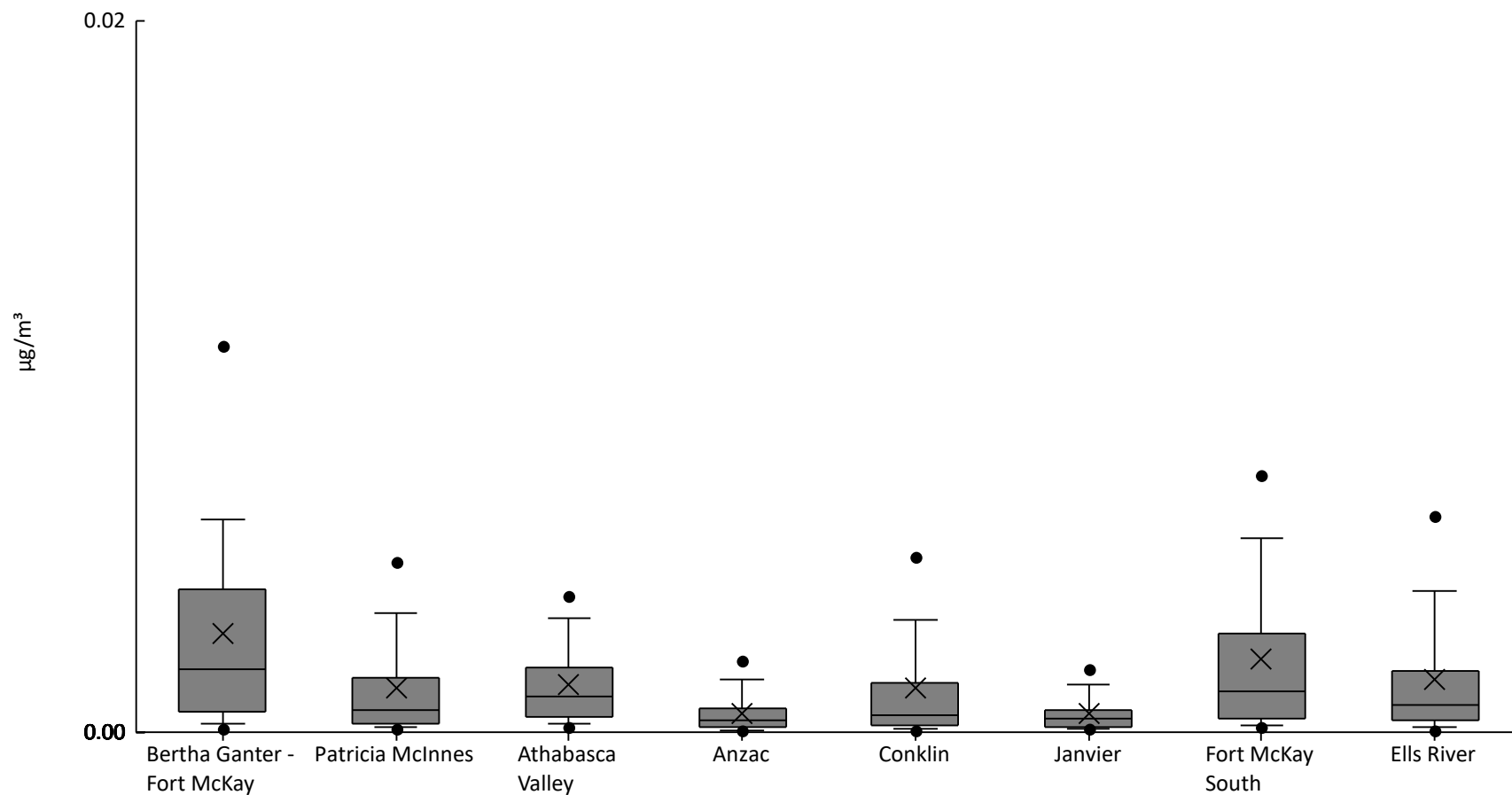
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	97%	0	5.1E-3	0.016	0.04	0.096	0.16	0.3	0.36	0.59	0.13	0.12
AMS06	Patricia McInnes	61	98%	0	4.9E-3	8.6E-3	0.03	0.056	0.13	0.3	0.52	1	0.12	0.18
AMS07	Athabasca Valley	61	100%	0.014	0.015	0.018	0.045	0.082	0.18	0.4	0.87	2.1	0.2	0.38
AMS14	Anzac	60	98%	0	3.5E-3	5.6E-3	0.013	0.03	0.054	0.096	0.15	0.55	0.052	0.084
AMS21	Conklin	47	100%	4.5E-3	4.6E-3	9.6E-3	0.023	0.045	0.096	0.34	0.45	0.81	0.11	0.16
AMS22	Janvier	60	100%	3.9E-3	5.3E-3	8.4E-3	0.02	0.036	0.074	0.17	0.31	0.74	0.074	0.13
AMS13	Fort McKay South	61	100%	1.4E-3	4.9E-3	9.1E-3	0.04	0.077	0.16	0.27	0.36	0.58	0.11	0.11
AMS30	Ells River	60	100%	2E-3	5.5E-3	9.7E-3	0.022	0.064	0.12	0.25	0.37	0.61	0.1	0.12





Particulate Matter <10µm Tested For Elements - Strontium (µg/m³) - 2021

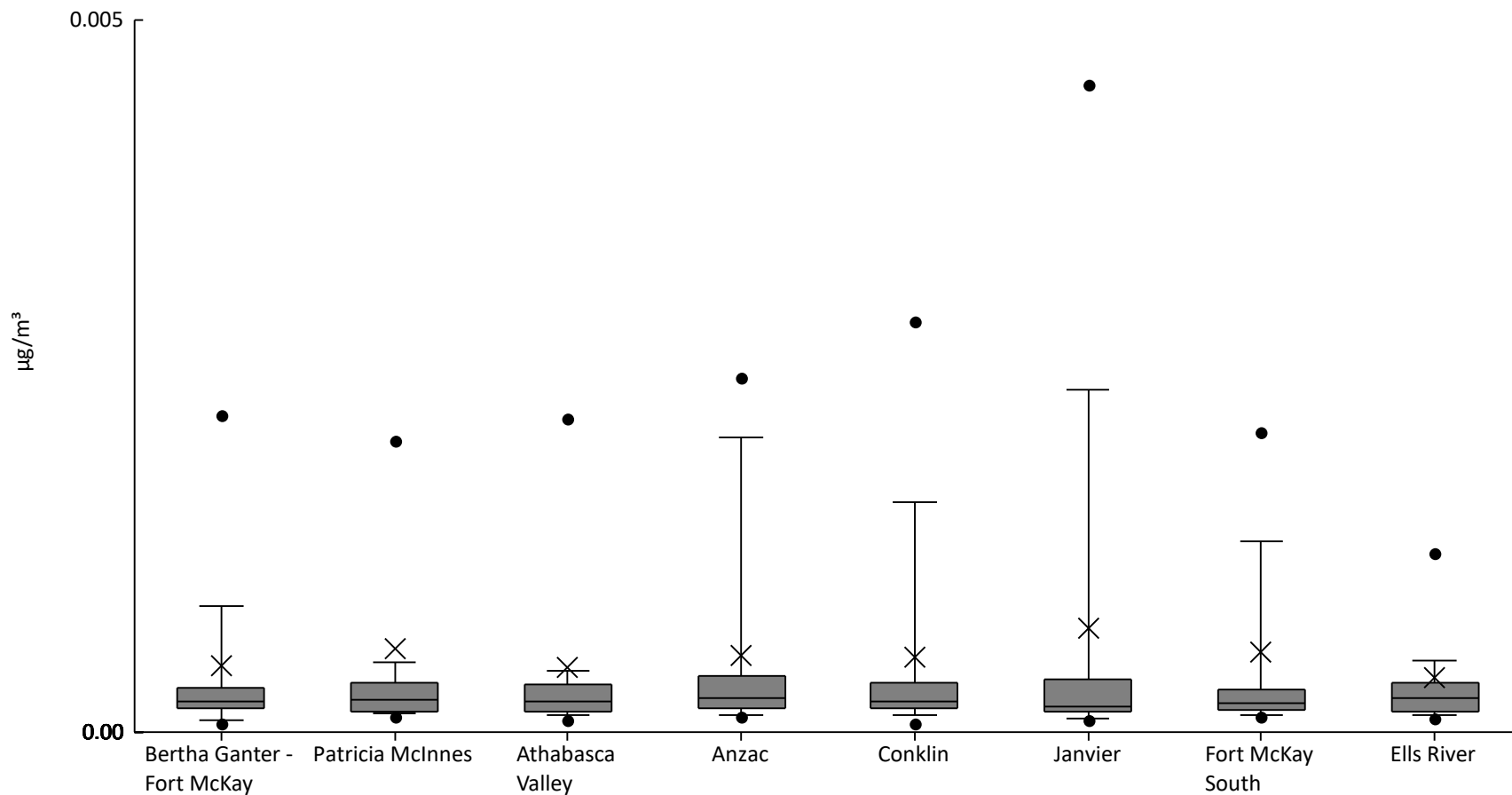
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	7.8E-5	2.5E-4	5.7E-4	1.7E-3	4E-3	6E-3	0.011	0.013	2.8E-3	3E-3
AMS06	Patricia McInnes	61	100%	1.5E-5	9.5E-5	1.4E-4	2.6E-4	6.3E-4	1.5E-3	3.3E-3	4.8E-3	7.4E-3	1.2E-3	1.5E-3
AMS07	Athabasca Valley	61	100%	8.8E-5	1.6E-4	2.3E-4	4.4E-4	9.9E-4	1.8E-3	3.2E-3	3.8E-3	5.8E-3	1.4E-3	1.2E-3
AMS14	Anzac	60	98%	0	4.8E-5	6.5E-5	1.2E-4	3.3E-4	6.5E-4	1.5E-3	2E-3	2.2E-3	5.2E-4	5.8E-4
AMS21	Conklin	47	100%	2.4E-5	5.6E-5	8.4E-5	1.7E-4	4.9E-4	1.4E-3	3.2E-3	4.9E-3	0.011	1.2E-3	2E-3
AMS22	Janvier	60	100%	4.6E-5	9E-5	9.6E-5	1.5E-4	3.6E-4	6E-4	1.3E-3	1.8E-3	2.2E-3	5.2E-4	5.2E-4
AMS13	Fort McKay South	61	100%	9.2E-5	1.3E-4	1.7E-4	3.9E-4	1.2E-3	2.8E-3	5.5E-3	7.2E-3	0.01	2E-3	2.2E-3
AMS30	Ells River	60	98%	7E-6	7E-5	1.4E-4	3.3E-4	7.6E-4	1.7E-3	4E-3	6.1E-3	7.1E-3	1.5E-3	1.7E-3





Particulate Matter <10µm Tested For Elements - Tantalum (µg/m³) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	3.3E-5	5.4E-5	8.9E-5	1.7E-4	2.2E-4	3.1E-4	8.8E-4	2.2E-3	5.7E-3	4.6E-4	8.7E-4
AMS06	Patricia McInnes	61	100%	9.1E-5	1.1E-4	1.3E-4	1.5E-4	2.2E-4	3.5E-4	4.9E-4	2E-3	0.014	5.8E-4	1.8E-3
AMS07	Athabasca Valley	61	100%	6.5E-5	8.3E-5	1.2E-4	1.4E-4	2.2E-4	3.3E-4	4.3E-4	2.2E-3	7.8E-3	4.6E-4	1.1E-3
AMS14	Anzac	60	100%	4E-5	1.1E-4	1.2E-4	1.7E-4	2.5E-4	3.9E-4	2.1E-3	2.5E-3	4.7E-3	5.4E-4	8.7E-4
AMS21	Conklin	47	100%	4.8E-5	6E-5	1.2E-4	1.6E-4	2.1E-4	3.4E-4	1.6E-3	2.9E-3	4.5E-3	5.2E-4	8.8E-4
AMS22	Janvier	60	100%	1.9E-5	8.3E-5	9.9E-5	1.4E-4	1.8E-4	3.7E-4	2.4E-3	4.5E-3	7.7E-3	7.3E-4	1.5E-3
AMS13	Fort McKay South	61	100%	7.5E-5	1.1E-4	1.2E-4	1.6E-4	2.1E-4	3E-4	1.3E-3	2.1E-3	7.2E-3	5.7E-4	1.3E-3
AMS30	Ells River	60	100%	6.8E-5	9.2E-5	1.2E-4	1.5E-4	2.4E-4	3.4E-4	5E-4	1.3E-3	4.5E-3	3.8E-4	6.3E-4

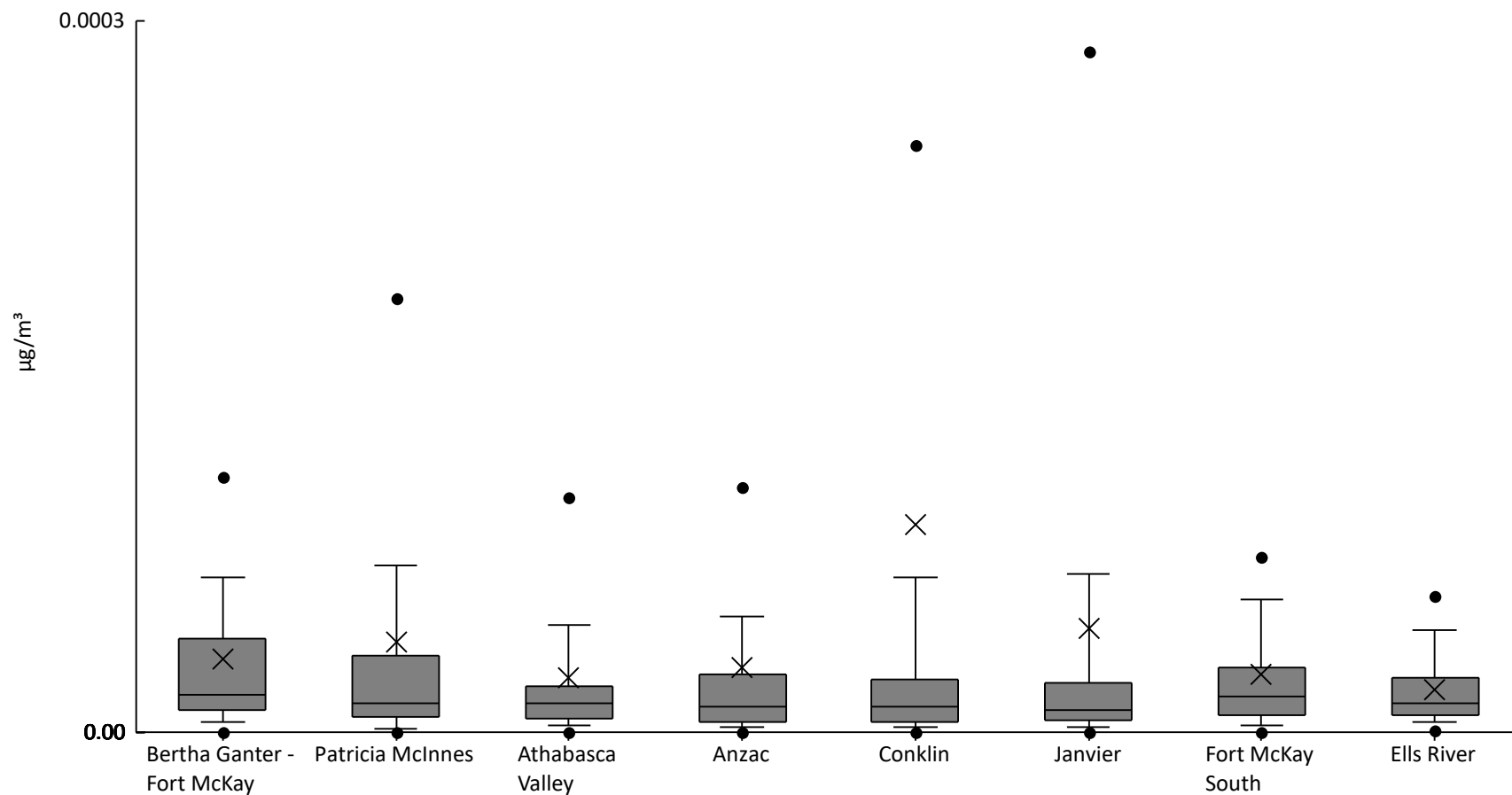






Particulate Matter <10µm Tested For Elements - Thallium (µg/m³) - 2021

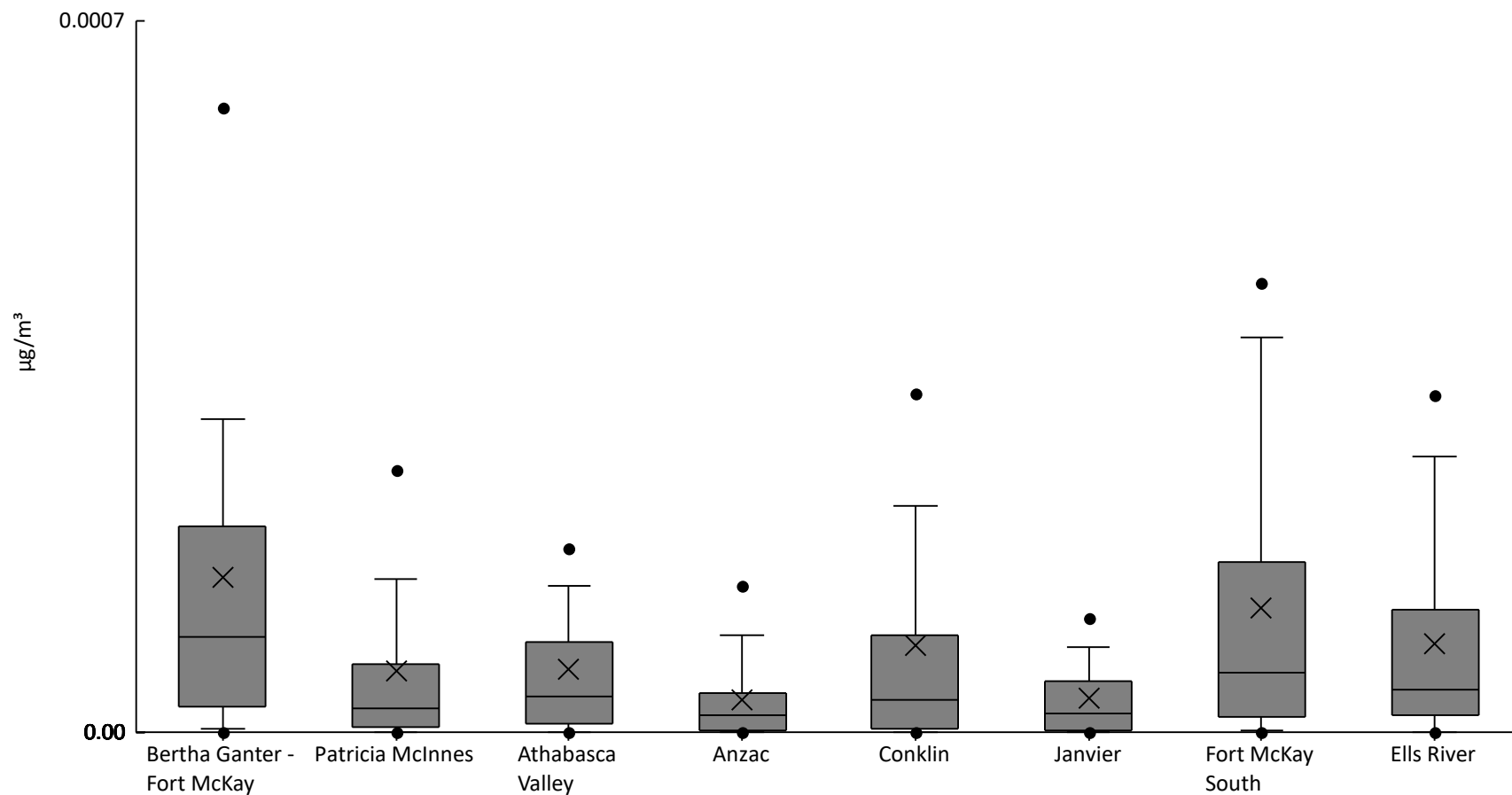
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	90%	0	0	4.6E-6	9E-6	1.6E-5	3.9E-5	6.5E-5	1.1E-4	2.3E-4	3.1E-5	4.1E-5
AMS06	Patricia McInnes	61	85%	0	0	1.6E-6	6.8E-6	1.2E-5	3.2E-5	7E-5	1.8E-4	6.9E-4	3.8E-5	9.6E-5
AMS07	Athabasca Valley	61	84%	0	0	3E-6	6E-6	1.2E-5	2E-5	4.5E-5	9.9E-5	2.8E-4	2.3E-5	4.2E-5
AMS14	Anzac	60	73%	0	0	2.5E-6	4E-6	1.1E-5	2.5E-5	4.9E-5	1E-4	2.9E-4	2.7E-5	5.1E-5
AMS21	Conklin	47	74%	0	0	2.2E-6	4.3E-6	1.1E-5	2.2E-5	6.5E-5	2.5E-4	2.9E-3	8.7E-5	4.2E-4
AMS22	Janvier	60	78%	0	0	2E-6	5E-6	9E-6	2.1E-5	6.7E-5	2.9E-4	7.3E-4	4.4E-5	1.2E-4
AMS13	Fort McKay South	61	89%	0	0	3E-6	7E-6	1.5E-5	2.8E-5	5.6E-5	7.4E-5	2.6E-4	2.4E-5	3.6E-5
AMS30	Ells River	60	88%	0	1E-6	4E-6	7E-6	1.3E-5	2.3E-5	4.3E-5	5.8E-5	9.7E-5	1.8E-5	1.8E-5





Particulate Matter <10µm Tested For Elements - Thorium (µg/m³) - 2021

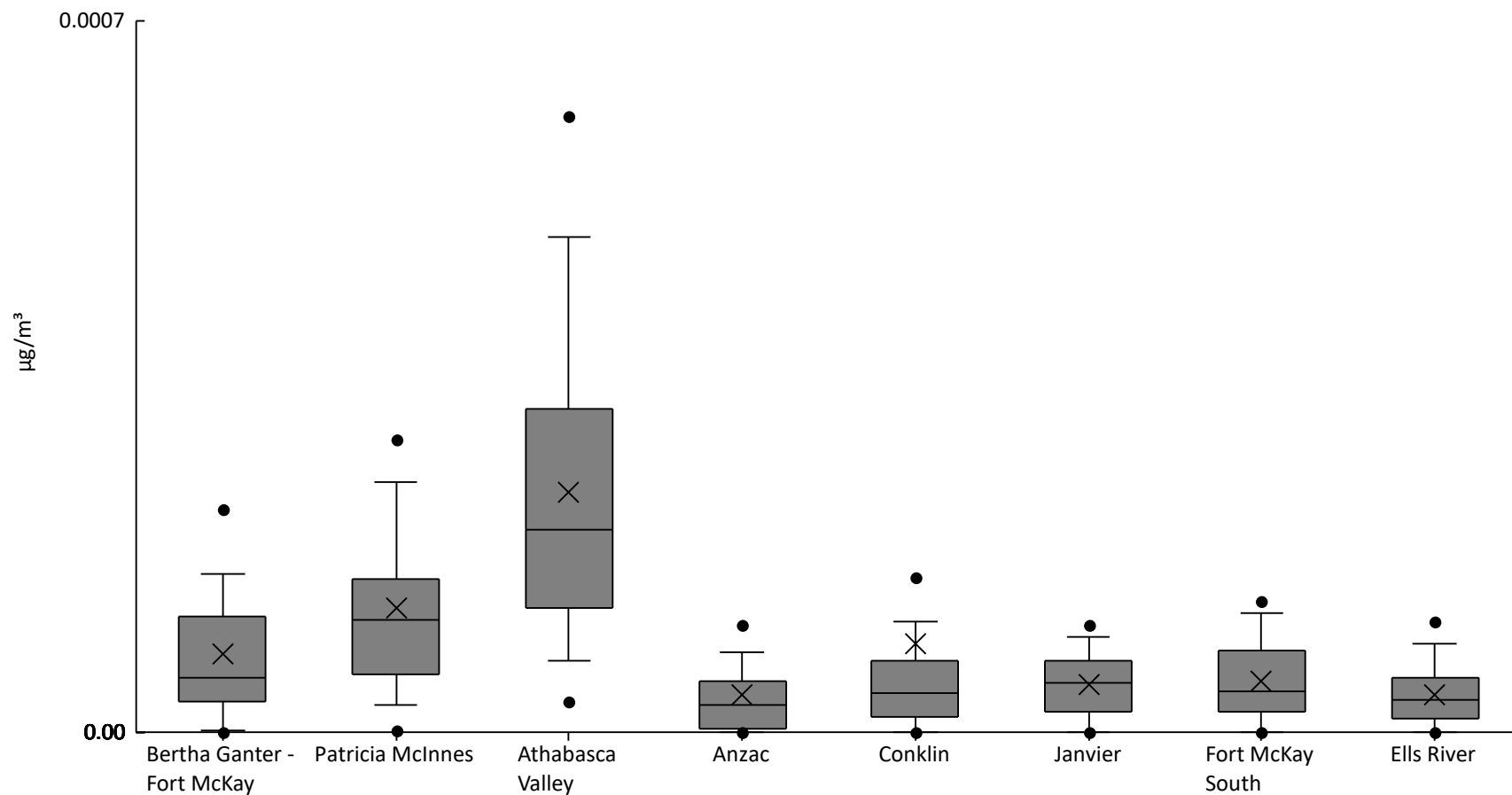
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	90%	0	0	2.6E-6	2.5E-5	9.4E-5	2E-4	3.1E-4	6.1E-4	1.1E-3	1.5E-4	2.1E-4
AMS06	Patricia McInnes	61	82%	0	0	0	5.8E-6	2.4E-5	6.6E-5	1.5E-4	2.6E-4	5.7E-4	6E-5	9.5E-5
AMS07	Athabasca Valley	61	84%	0	0	0	9E-6	3.5E-5	8.8E-5	1.4E-4	1.8E-4	5.8E-4	6.1E-5	8.6E-5
AMS14	Anzac	60	75%	0	0	0	2.5E-6	1.7E-5	3.9E-5	9.6E-5	1.4E-4	1.8E-4	3.2E-5	4.3E-5
AMS21	Conklin	47	77%	0	0	0	3.3E-6	3.1E-5	9.6E-5	2.2E-4	3.3E-4	1.1E-3	8.5E-5	1.7E-4
AMS22	Janvier	60	75%	0	0	0	2.5E-6	1.9E-5	5E-5	8.3E-5	1.1E-4	2E-4	3.4E-5	4.1E-5
AMS13	Fort McKay South	61	87%	0	0	1.2E-6	1.5E-5	5.9E-5	1.7E-4	3.9E-4	4.4E-4	5.7E-4	1.2E-4	1.4E-4
AMS30	Ells River	60	88%	0	0	5E-7	1.7E-5	4.2E-5	1.2E-4	2.7E-4	3.3E-4	4.4E-4	8.8E-5	1.1E-4





Particulate Matter <10µm Tested For Elements - Tin (µg/m³) - 2021

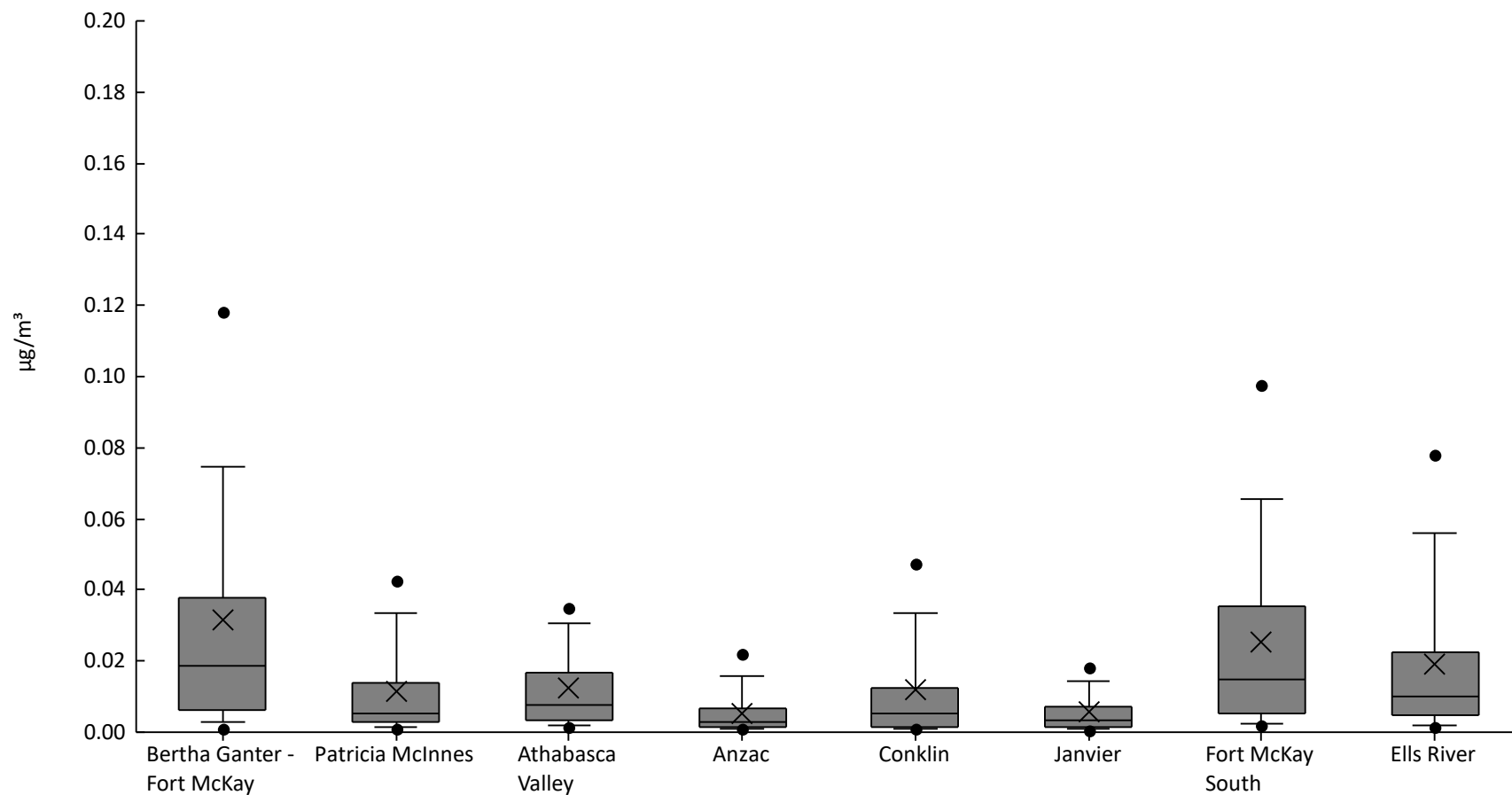
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	89%	0	0	1.2E-6	3E-5	5.3E-5	1.1E-4	1.6E-4	2.2E-4	4.3E-4	7.8E-5	7.5E-5
AMS06	Patricia McInnes	61	93%	0	1.7E-6	2.6E-5	5.7E-5	1.1E-4	1.5E-4	2.5E-4	2.9E-4	4.3E-4	1.2E-4	8.8E-5
AMS07	Athabasca Valley	61	97%	0	3E-5	7E-5	1.2E-4	2E-4	3.2E-4	4.9E-4	6.1E-4	7.6E-4	2.4E-4	1.7E-4
AMS14	Anzac	60	70%	0	0	0	3E-6	2.8E-5	5E-5	7.9E-5	1.1E-4	2.5E-4	3.6E-5	4.2E-5
AMS21	Conklin	47	77%	0	0	0	1.5E-5	3.9E-5	7E-5	1.1E-4	1.5E-4	2.1E-3	8.7E-5	3E-4
AMS22	Janvier	60	80%	0	0	0	2E-5	4.9E-5	7E-5	9.4E-5	1.1E-4	1.2E-4	4.7E-5	3.4E-5
AMS13	Fort McKay South	61	84%	0	0	0	2E-5	4E-5	8.1E-5	1.2E-4	1.3E-4	1.8E-4	5E-5	4.2E-5
AMS30	Ells River	60	78%	0	0	0	1.3E-5	3.2E-5	5.3E-5	8.7E-5	1.1E-4	1.5E-4	3.7E-5	3.5E-5





Particulate Matter <10µm Tested For Elements - Titanium (µg/m³) - 2021

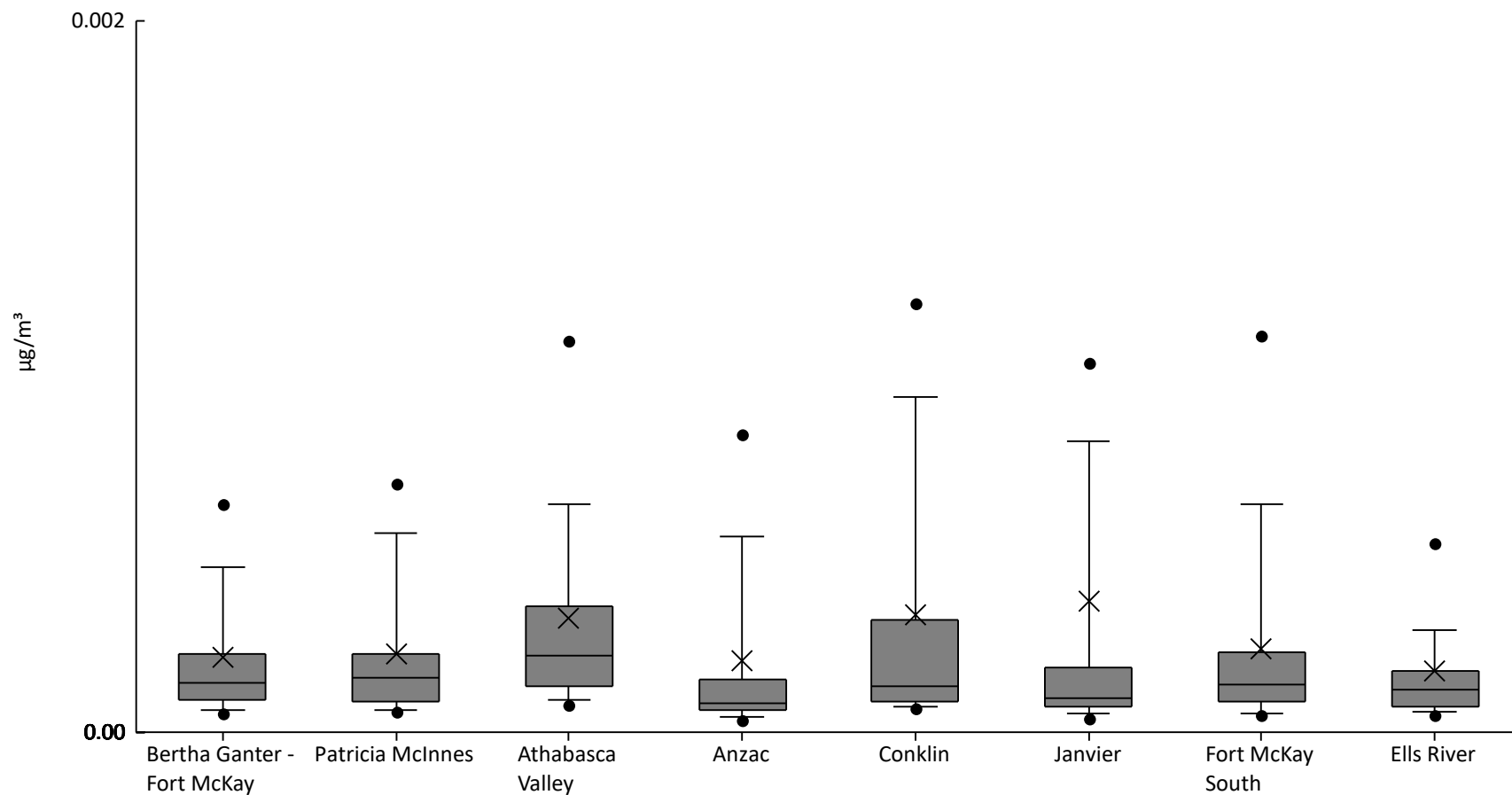
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	2.6E-5	1.1E-3	2.7E-3	6.3E-3	0.019	0.038	0.075	0.12	0.21	0.032	0.038
AMS06	Patricia McInnes	61	100%	6.3E-4	1.2E-3	1.5E-3	2.7E-3	5.1E-3	0.014	0.033	0.042	0.076	0.011	0.015
AMS07	Athabasca Valley	61	100%	1.2E-3	1.5E-3	2E-3	3.3E-3	7.7E-3	0.017	0.031	0.035	0.064	0.012	0.012
AMS14	Anzac	60	98%	1.2E-5	7.7E-4	8.4E-4	1.2E-3	2.8E-3	6.5E-3	0.016	0.022	0.027	5.4E-3	6.5E-3
AMS21	Conklin	47	100%	5.6E-4	7.3E-4	9.9E-4	1.7E-3	5.1E-3	0.013	0.034	0.047	0.11	0.012	0.02
AMS22	Janvier	60	100%	6.7E-4	7.1E-4	8.8E-4	1.6E-3	3.2E-3	7.1E-3	0.014	0.018	0.027	5.6E-3	5.9E-3
AMS13	Fort McKay South	61	100%	1E-3	1.8E-3	2.3E-3	5.1E-3	0.015	0.035	0.066	0.098	0.12	0.025	0.028
AMS30	Ells River	60	100%	6E-4	1.3E-3	1.8E-3	4.6E-3	9.9E-3	0.022	0.056	0.078	0.12	0.019	0.024





Particulate Matter <10µm Tested For Elements - Tungsten (µg/m³) - 2021

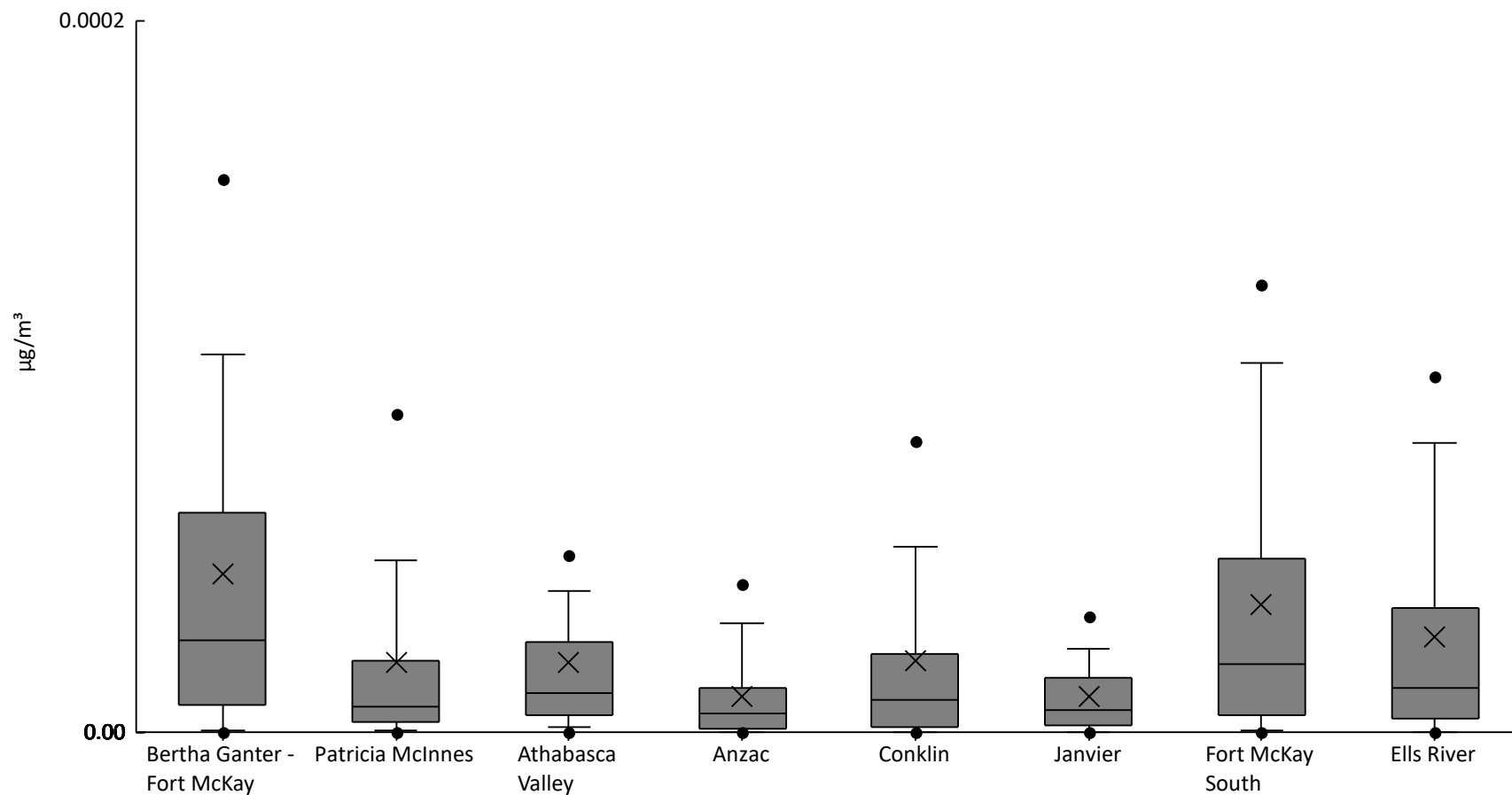
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	1.2E-5	5.2E-5	6.3E-5	9.3E-5	1.4E-4	2.2E-4	4.6E-4	6.4E-4	1.2E-3	2.1E-4	2.1E-4
AMS06	Patricia McInnes	61	100%	5.1E-5	5.5E-5	6.4E-5	8.4E-5	1.6E-4	2.2E-4	5.6E-4	7E-4	1.2E-3	2.2E-4	2.1E-4
AMS07	Athabasca Valley	61	100%	6.1E-5	7.8E-5	9.3E-5	1.3E-4	2.2E-4	3.6E-4	6.4E-4	1.1E-3	1.6E-3	3.2E-4	3.2E-4
AMS14	Anzac	60	100%	1.4E-5	3.4E-5	4.5E-5	6E-5	8.1E-5	1.5E-4	5.5E-4	8.4E-4	2.2E-3	2E-4	3.7E-4
AMS21	Conklin	47	100%	3.7E-5	6.7E-5	7E-5	8.9E-5	1.3E-4	3.2E-4	9.4E-4	1.2E-3	2.3E-3	3.3E-4	4.4E-4
AMS22	Janvier	60	100%	2.3E-5	3.7E-5	5.1E-5	7.1E-5	9.6E-5	1.8E-4	8.2E-4	1E-3	9.1E-3	3.7E-4	1.2E-3
AMS13	Fort McKay South	61	100%	3.7E-5	4.8E-5	5.5E-5	8.7E-5	1.3E-4	2.3E-4	6.4E-4	1.1E-3	1.3E-3	2.4E-4	3E-4
AMS30	Ells River	60	100%	3.7E-5	4.8E-5	5.9E-5	7.2E-5	1.2E-4	1.7E-4	2.9E-4	5.3E-4	1.6E-3	1.7E-4	2.3E-4





Particulate Matter <10µm Tested For Elements - Uranium (µg/m³) - 2021

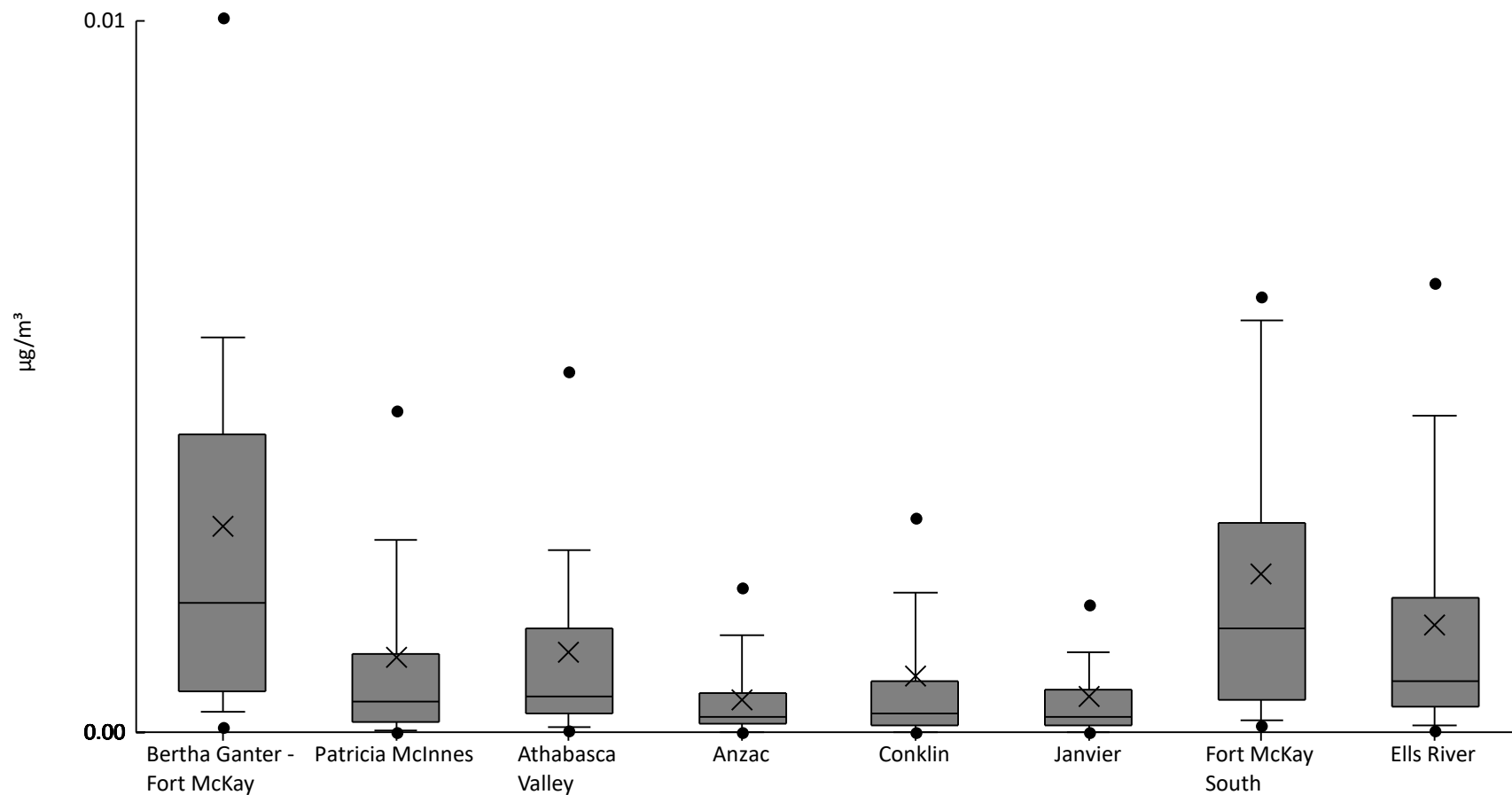
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	82%	0	0	6E-7	7.5E-6	2.6E-5	6.2E-5	1.1E-4	1.6E-4	2.7E-4	4.4E-5	5.7E-5
AMS06	Patricia McInnes	61	77%	0	0	6E-7	3E-6	7E-6	2E-5	4.8E-5	9E-5	1.6E-4	1.9E-5	3.2E-5
AMS07	Athabasca Valley	61	84%	0	0	1.2E-6	4.8E-6	1.1E-5	2.5E-5	4E-5	5E-5	2.6E-4	1.9E-5	3.4E-5
AMS14	Anzac	60	68%	0	0	0	1E-6	5.5E-6	1.3E-5	3.1E-5	4.2E-5	5E-5	9.9E-6	1.2E-5
AMS21	Conklin	47	68%	0	0	0	1.3E-6	9E-6	2.2E-5	5.2E-5	8.2E-5	2.3E-4	2E-5	3.7E-5
AMS22	Janvier	60	70%	0	0	0	2E-6	6E-6	1.6E-5	2.4E-5	3.3E-5	5.6E-5	1E-5	1.1E-5
AMS13	Fort McKay South	61	84%	0	0	6E-7	4.8E-6	1.9E-5	4.9E-5	1E-4	1.3E-4	1.8E-4	3.6E-5	4.3E-5
AMS30	Ells River	60	82%	0	0	0	4E-6	1.3E-5	3.5E-5	8.2E-5	1E-4	1.7E-4	2.7E-5	3.5E-5





Particulate Matter <10µm Tested For Elements - Vanadium (µg/m³) - 2021

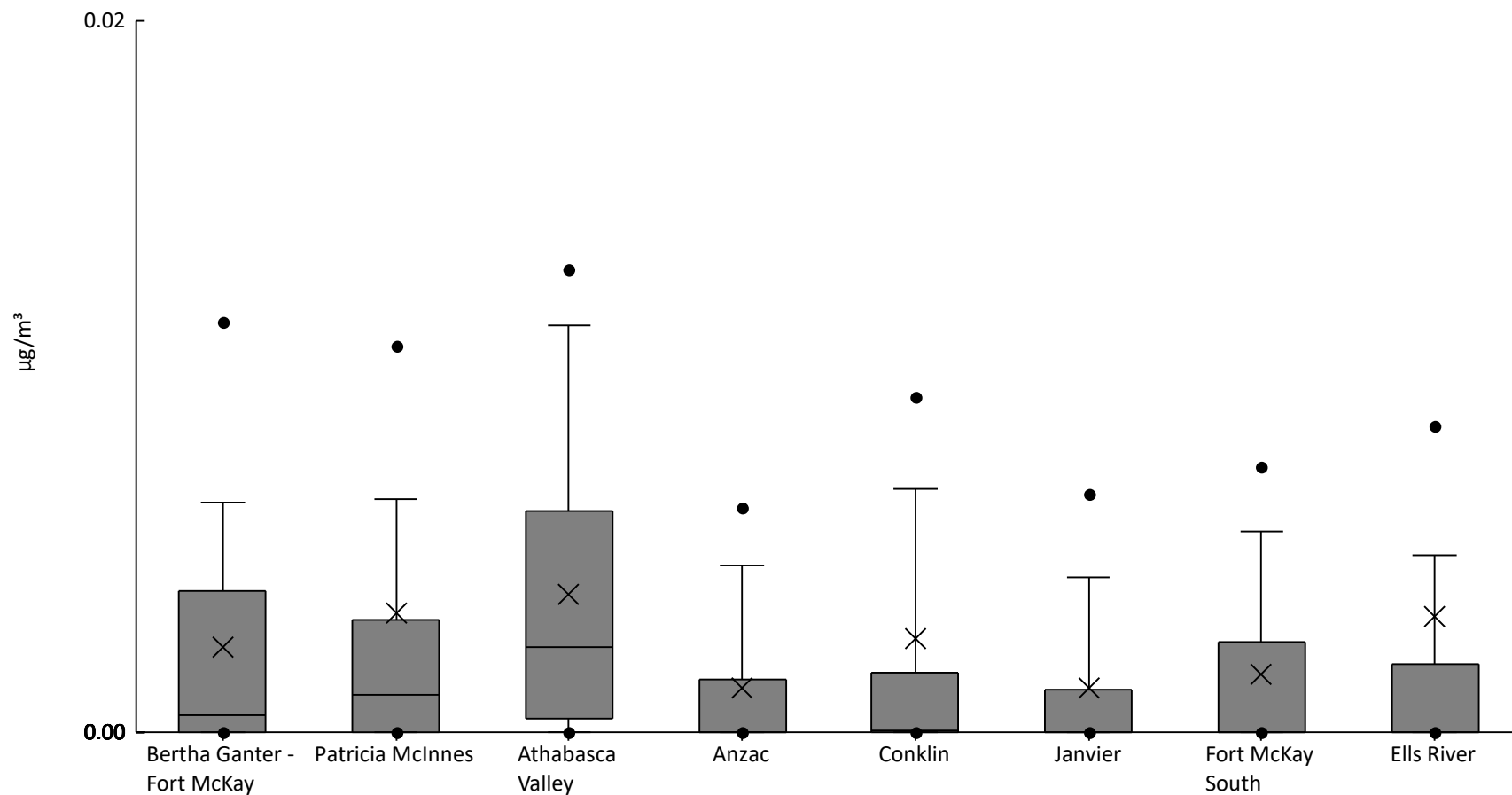
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	7.6E-5	2.9E-4	5.7E-4	1.8E-3	4.2E-3	5.6E-3	0.01	0.014	2.9E-3	2.9E-3
AMS06	Patricia McInnes	61	90%	0	0	2.6E-5	1.5E-4	4.4E-4	1.1E-3	2.7E-3	4.5E-3	8.9E-3	1.1E-3	1.7E-3
AMS07	Athabasca Valley	61	95%	0	2E-5	6.2E-5	2.6E-4	4.9E-4	1.5E-3	2.6E-3	5.1E-3	6.9E-3	1.1E-3	1.5E-3
AMS14	Anzac	60	88%	0	0	0	1.1E-4	2.1E-4	5.5E-4	1.4E-3	2E-3	2.7E-3	4.6E-4	6.1E-4
AMS21	Conklin	47	87%	0	0	0	9.7E-5	2.5E-4	7.1E-4	2E-3	3E-3	9.1E-3	7.9E-4	1.6E-3
AMS22	Janvier	60	88%	0	0	0	9.8E-5	2.1E-4	5.9E-4	1.1E-3	1.8E-3	7.8E-3	5.1E-4	1.1E-3
AMS13	Fort McKay South	61	98%	0	1E-4	1.7E-4	4.6E-4	1.4E-3	3E-3	5.8E-3	6.1E-3	0.011	2.2E-3	2.4E-3
AMS30	Ells River	60	95%	0	1.4E-5	8.6E-5	3.6E-4	7.1E-4	1.9E-3	4.4E-3	6.3E-3	8.1E-3	1.5E-3	1.9E-3





Particulate Matter <10µm Tested For Elements - Zinc (µg/m³) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	56%	0	0	0	0	4.8E-4	4E-3	6.4E-3	0.012	0.015	2.4E-3	3.6E-3
AMS06	Patricia McInnes	61	56%	0	0	0	0	1E-3	3.2E-3	6.5E-3	0.011	0.081	3.4E-3	0.01
AMS07	Athabasca Valley	61	75%	0	0	0	3.9E-4	2.4E-3	6.2E-3	0.011	0.013	0.023	3.9E-3	4.8E-3
AMS14	Anzac	60	35%	0	0	0	0	0	1.5E-3	4.7E-3	6.3E-3	0.013	1.2E-3	2.6E-3
AMS21	Conklin	47	47%	0	0	0	0	5.6E-5	1.7E-3	6.8E-3	9.4E-3	0.054	2.6E-3	8.2E-3
AMS22	Janvier	60	35%	0	0	0	0	0	1.2E-3	4.4E-3	6.7E-3	0.013	1.3E-3	2.6E-3
AMS13	Fort McKay South	61	46%	0	0	0	0	0	2.5E-3	5.6E-3	7.5E-3	0.013	1.6E-3	2.8E-3
AMS30	Ells River	60	45%	0	0	0	0	0	1.9E-3	5E-3	8.6E-3	0.11	3.3E-3	0.015

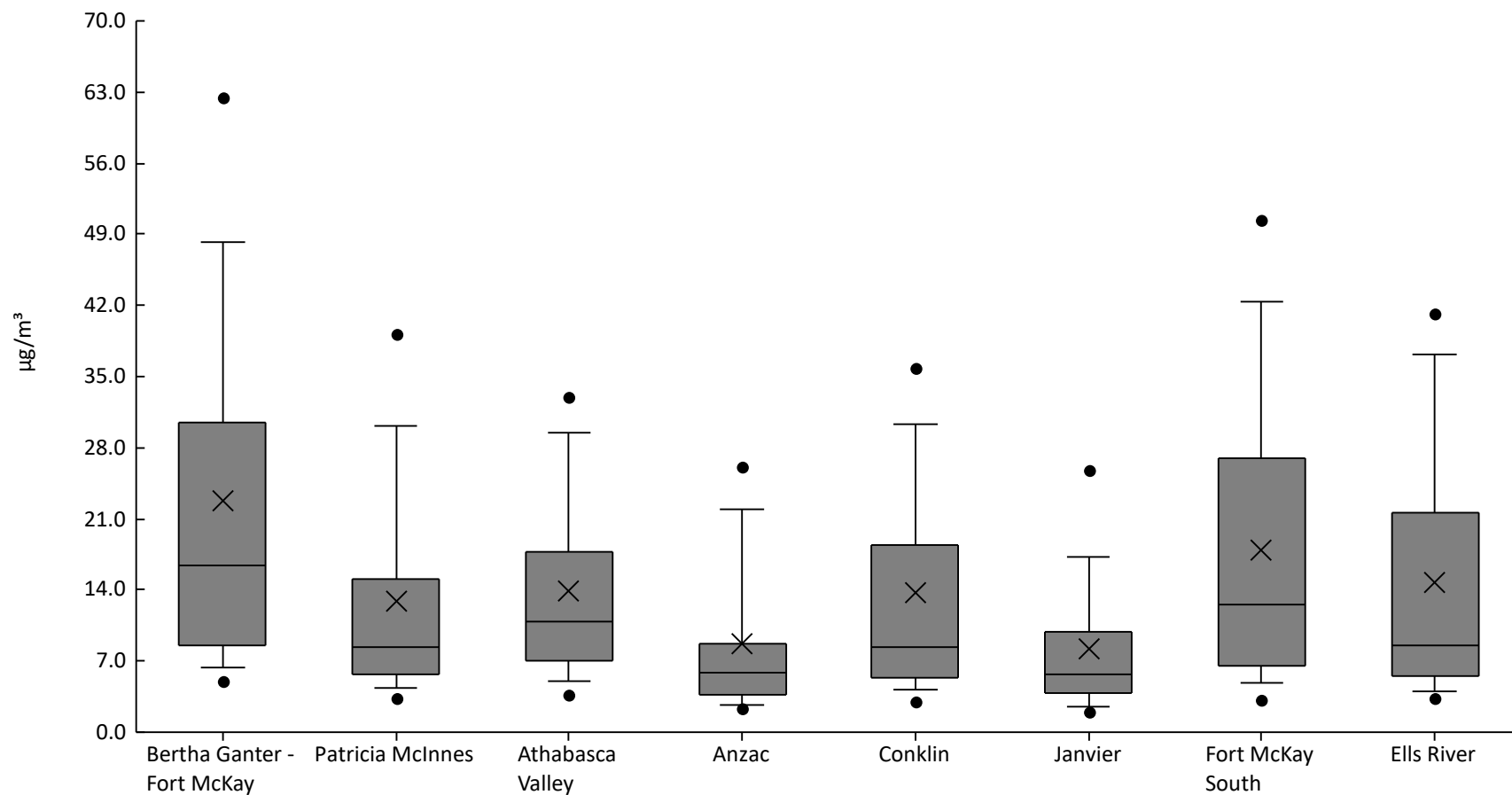






Particulate Matter <10µm Tested For Elements - Particulate Matter (µg/m<sup>3</sup>) - 2021

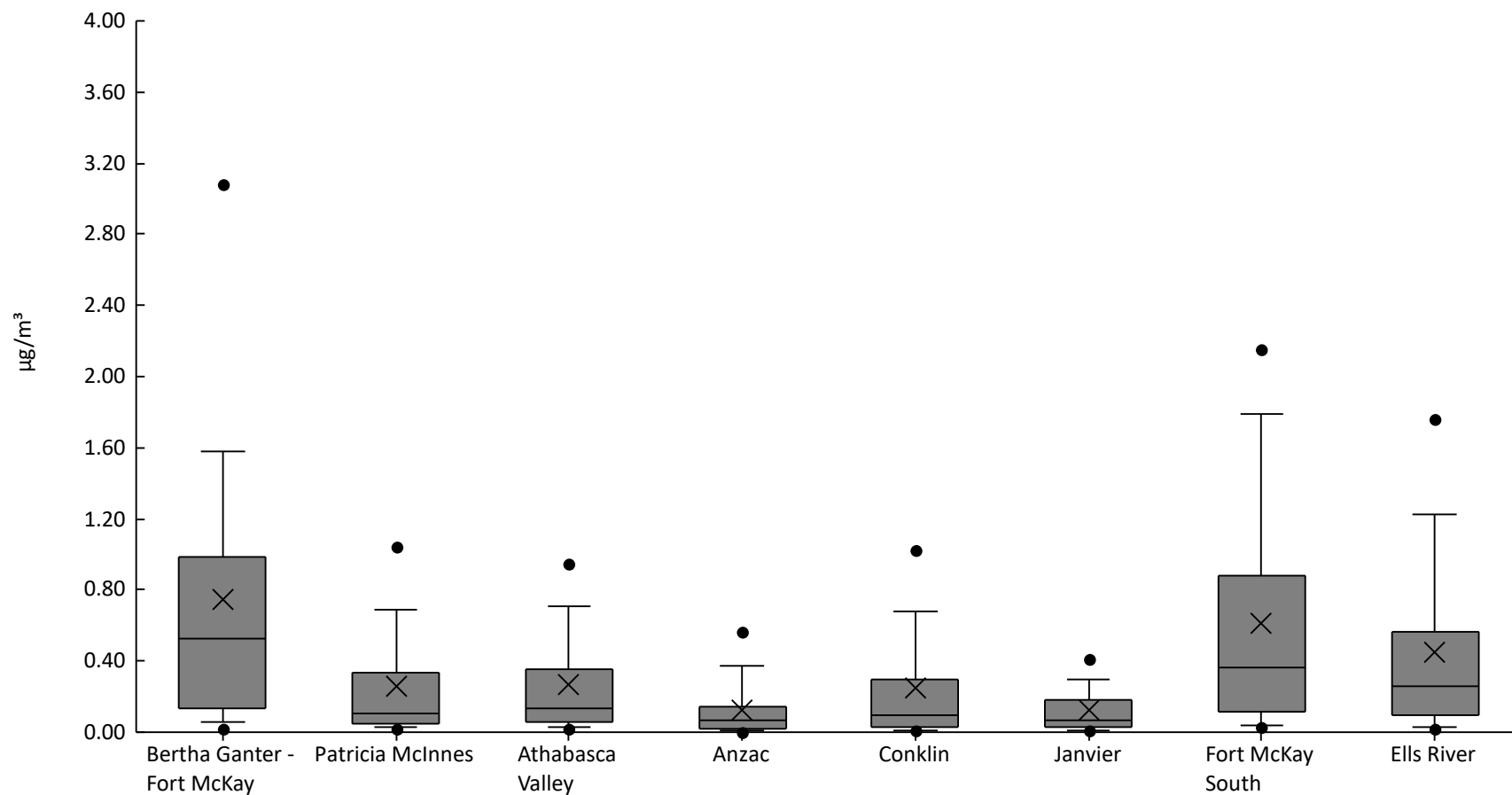
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	2.9	5	6.4	8.5	16	30	48	62	89	23	19
AMS06	Patricia McInnes	61	100%	0.92	3.3	4.3	5.8	8.3	15	30	39	59	13	11
AMS07	Athabasca Valley	61	100%	2.8	3.7	5.1	7	11	18	30	33	53	14	9.7
AMS14	Anzac	60	100%	0.96	2.4	2.8	3.6	5.9	8.7	22	26	45	8.6	8.3
AMS21	Conklin	47	100%	1.3	3	4.3	5.3	8.4	18	30	36	82	14	14
AMS22	Janvier	60	100%	1.2	2.1	2.5	3.9	5.7	9.9	17	26	34	8.3	7.1
AMS13	Fort McKay South	61	100%	2.3	3.2	4.9	6.5	13	27	42	50	61	18	15
AMS30	Ells River	60	100%	2.1	3.3	4.1	5.5	8.6	22	37	41	63	15	13





Particulate Matter <10µm Tested For Elements - Aluminum (µg/m³) - 2021

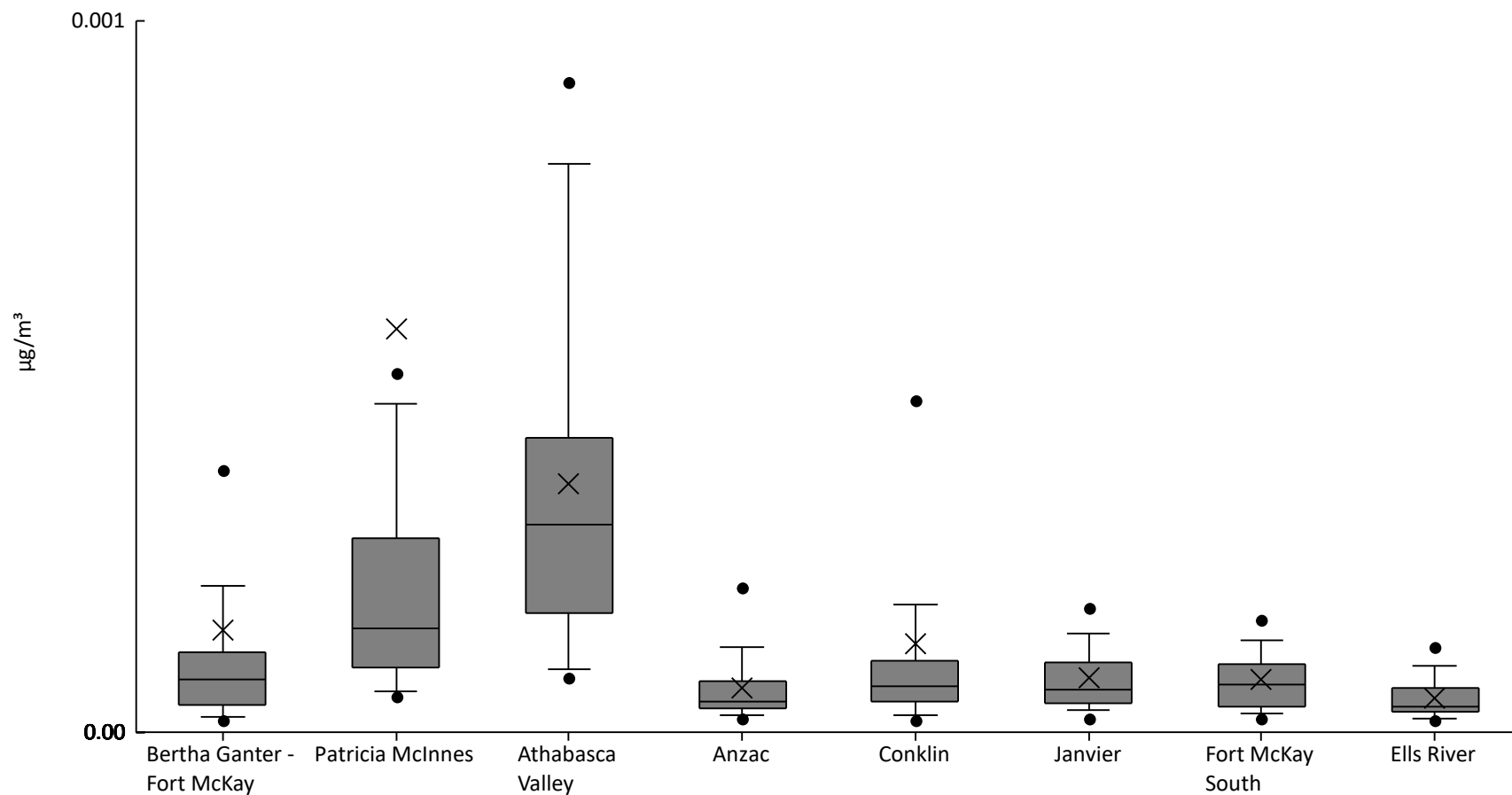
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	0.021	0.06	0.14	0.52	0.98	1.6	3.1	3.6	0.75	0.86
AMS06	Patricia McInnes	61	100%	7E-3	0.016	0.025	0.044	0.1	0.33	0.69	1	2.2	0.26	0.39
AMS07	Athabasca Valley	61	100%	7.2E-3	0.022	0.029	0.059	0.13	0.35	0.71	0.95	1.4	0.27	0.31
AMS14	Anzac	60	95%	0	4.2E-3	0.012	0.021	0.066	0.14	0.37	0.56	0.74	0.12	0.17
AMS21	Conklin	47	96%	0	9.5E-3	0.014	0.029	0.092	0.3	0.68	1	2.2	0.25	0.42
AMS22	Janvier	60	98%	0	0.011	0.013	0.029	0.064	0.18	0.3	0.41	0.62	0.12	0.14
AMS13	Fort McKay South	61	100%	0.02	0.029	0.043	0.11	0.37	0.88	1.8	2.2	2.5	0.62	0.68
AMS30	Ells River	60	100%	8.2E-3	0.023	0.027	0.098	0.26	0.56	1.2	1.8	2.3	0.45	0.54





Particulate Matter <10µm Tested For Elements - Antimony (µg/m³) - 2021

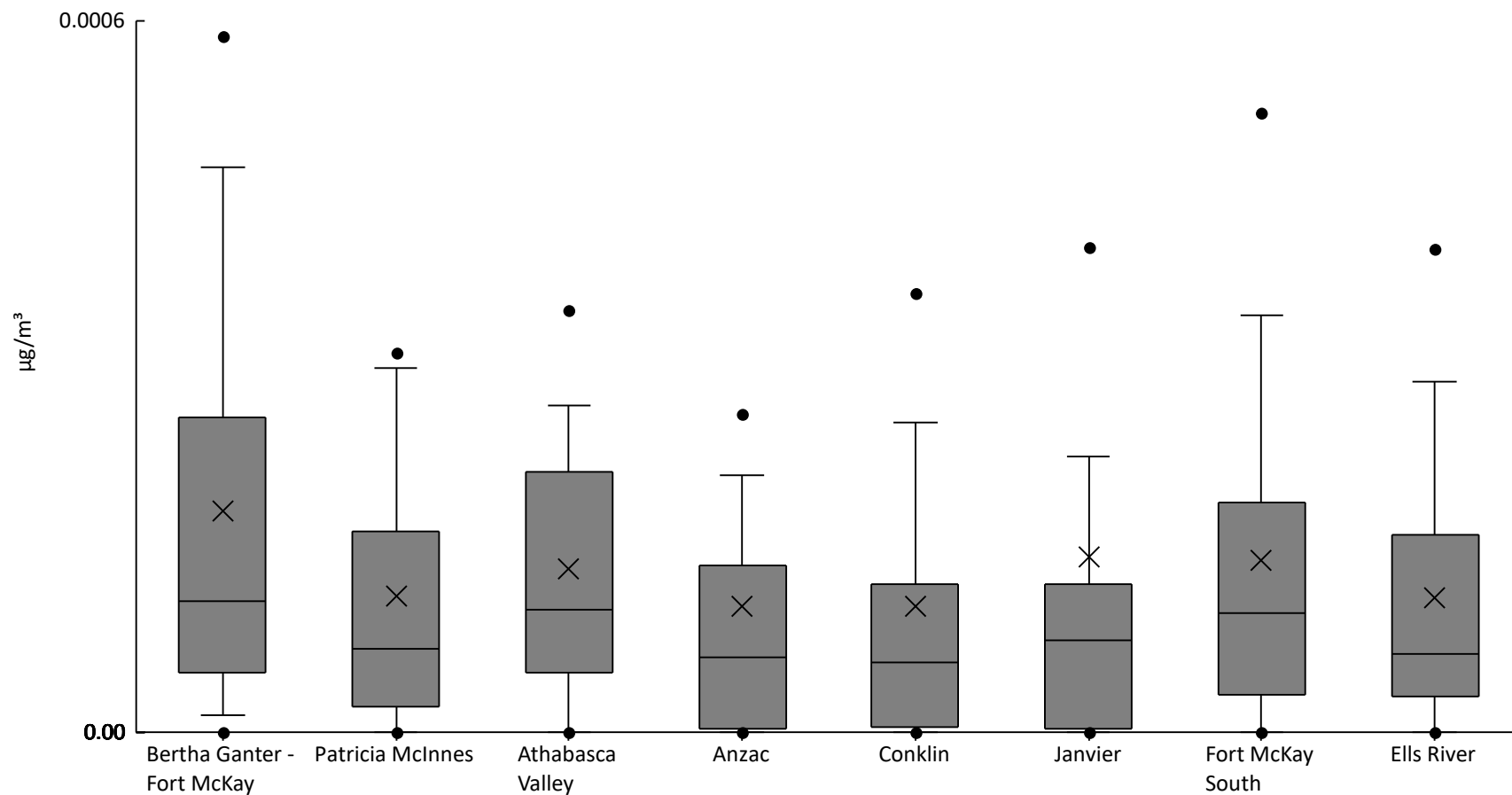
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	97%	0	1.7E-5	2.1E-5	3.9E-5	7.3E-5	1.1E-4	2.1E-4	3.7E-4	1.8E-3	1.4E-4	3E-4
AMS06	Patricia McInnes	61	100%	2E-5	5E-5	5.8E-5	9.2E-5	1.5E-4	2.7E-4	4.6E-4	5.1E-4	0.023	5.7E-4	2.9E-3
AMS07	Athabasca Valley	61	100%	5.6E-5	7.7E-5	8.8E-5	1.7E-4	2.9E-4	4.1E-4	8E-4	9.1E-4	1.2E-3	3.5E-4	2.6E-4
AMS14	Anzac	60	98%	0	1.8E-5	2.4E-5	3.4E-5	4.2E-5	7.1E-5	1.2E-4	2E-4	2.8E-4	6.3E-5	5.4E-5
AMS21	Conklin	47	100%	1.6E-5	1.8E-5	2.3E-5	4.4E-5	6.5E-5	1E-4	1.8E-4	4.7E-4	1.6E-3	1.2E-4	2.4E-4
AMS22	Janvier	60	97%	1.1E-5	2E-5	3.1E-5	4E-5	6E-5	9.9E-5	1.4E-4	1.7E-4	2.6E-4	7.6E-5	5E-5
AMS13	Fort McKay South	61	100%	1.6E-5	2E-5	2.5E-5	3.6E-5	6.8E-5	9.7E-5	1.3E-4	1.6E-4	3.9E-4	7.5E-5	5.6E-5
AMS30	Ells River	60	95%	1.1E-5	1.6E-5	2E-5	2.8E-5	3.7E-5	6.3E-5	9.3E-5	1.2E-4	2E-4	4.9E-5	3.5E-5





Particulate Matter <10µm Tested For Elements - Arsenic (µg/m³) - 2021

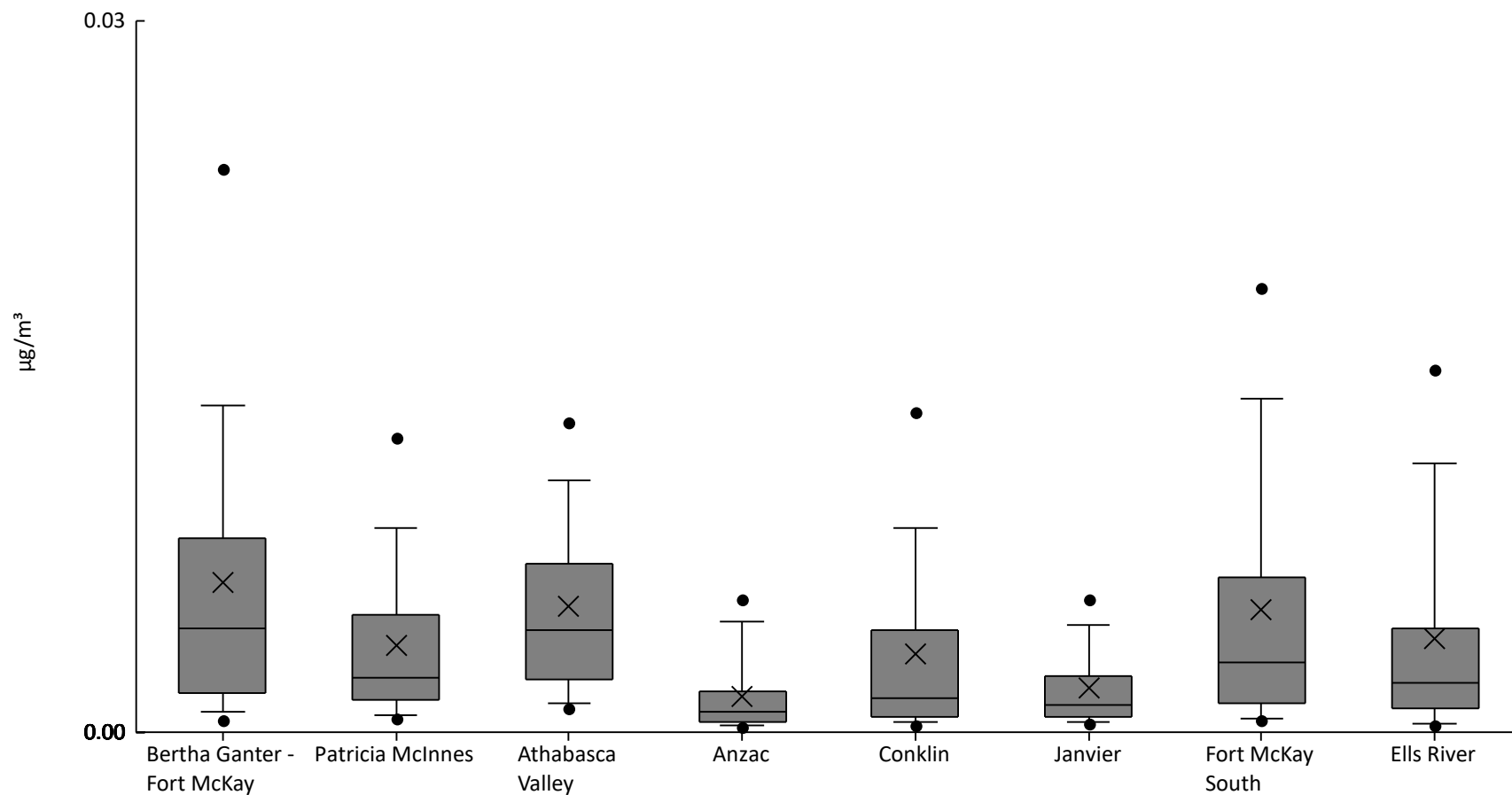
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	90%	0	0	1.4E-5	5E-5	1.1E-4	2.7E-4	4.8E-4	5.9E-4	7.3E-4	1.9E-4	1.8E-4
AMS06	Patricia McInnes	61	80%	0	0	0	2.2E-5	7.1E-5	1.7E-4	3.1E-4	3.2E-4	4.9E-4	1.1E-4	1.2E-4
AMS07	Athabasca Valley	61	85%	0	0	0	5.1E-5	1E-4	2.2E-4	2.8E-4	3.6E-4	6.5E-4	1.4E-4	1.3E-4
AMS14	Anzac	60	73%	0	0	0	3.5E-6	6.3E-5	1.4E-4	2.2E-4	2.7E-4	1.3E-3	1.1E-4	1.8E-4
AMS21	Conklin	47	74%	0	0	0	4.8E-6	5.9E-5	1.2E-4	2.6E-4	3.7E-4	8E-4	1.1E-4	1.5E-4
AMS22	Janvier	60	75%	0	0	0	3E-6	7.8E-5	1.3E-4	2.3E-4	4.1E-4	2.6E-3	1.5E-4	3.6E-4
AMS13	Fort McKay South	61	82%	0	0	0	3.2E-5	1E-4	1.9E-4	3.5E-4	5.2E-4	6.5E-4	1.5E-4	1.6E-4
AMS30	Ells River	60	80%	0	0	0	3E-5	6.7E-5	1.7E-4	3E-4	4.1E-4	5.9E-4	1.1E-4	1.3E-4





Particulate Matter <10µm Tested For Elements - Barium (µg/m³) - 2021

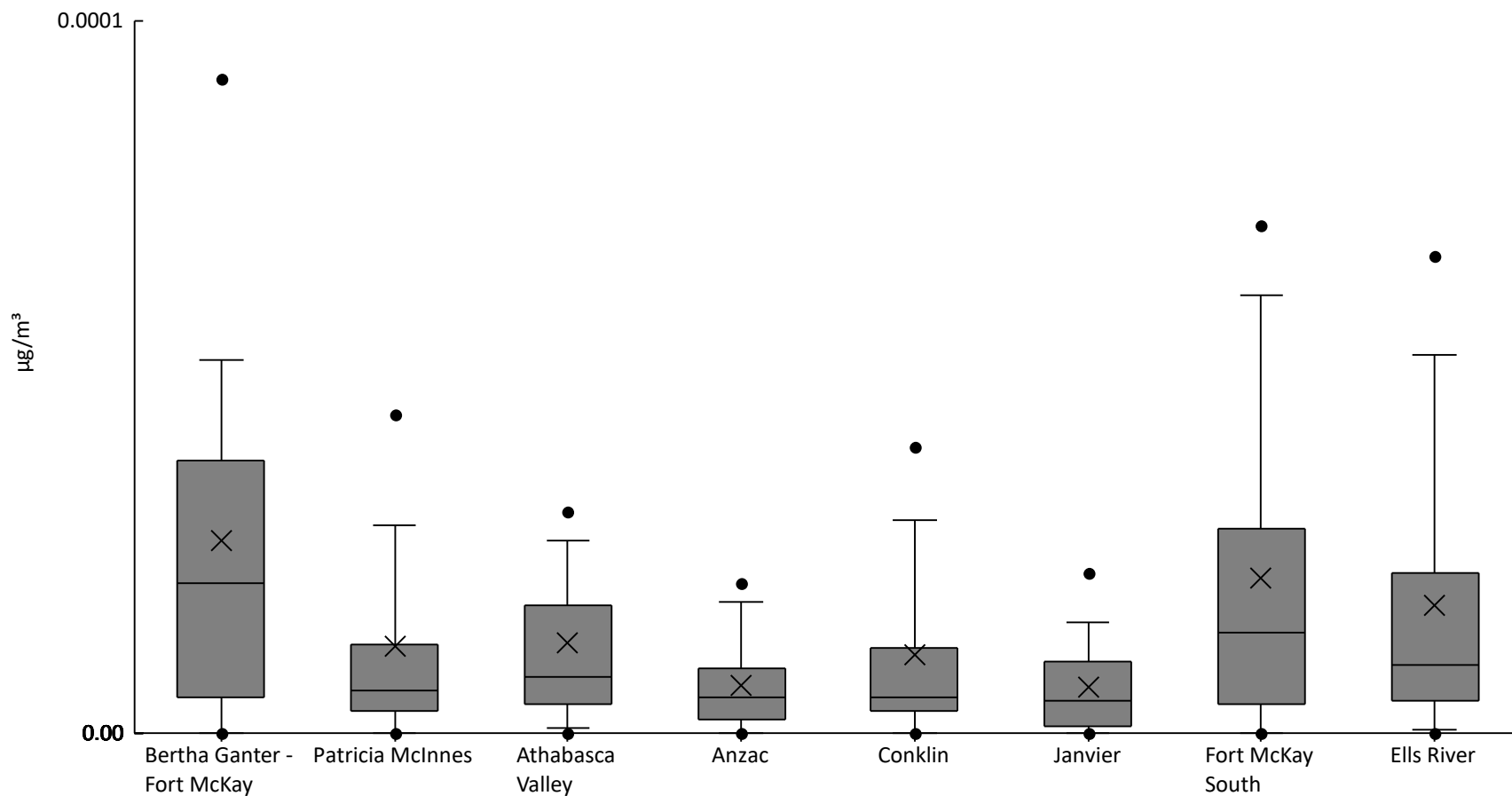
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	4.7E-4	8.5E-4	1.7E-3	4.4E-3	8.2E-3	0.014	0.024	0.027	6.3E-3	6.7E-3
AMS06	Patricia McInnes	61	100%	1.4E-4	5.7E-4	7.4E-4	1.3E-3	2.3E-3	5E-3	8.6E-3	0.012	0.016	3.7E-3	3.5E-3
AMS07	Athabasca Valley	61	100%	5.6E-4	1E-3	1.2E-3	2.2E-3	4.3E-3	7.1E-3	0.011	0.013	0.015	5.3E-3	3.7E-3
AMS14	Anzac	60	98%	0	2.1E-4	2.6E-4	4.6E-4	8.6E-4	1.7E-3	4.7E-3	5.6E-3	6.5E-3	1.5E-3	1.7E-3
AMS21	Conklin	47	100%	2.1E-4	2.7E-4	4.1E-4	6.2E-4	1.4E-3	4.3E-3	8.6E-3	0.013	0.024	3.3E-3	4.7E-3
AMS22	Janvier	60	100%	2.4E-4	3.4E-4	4.6E-4	6.3E-4	1.1E-3	2.4E-3	4.5E-3	5.6E-3	7E-3	1.8E-3	1.7E-3
AMS13	Fort McKay South	61	100%	3.7E-4	4.8E-4	5.8E-4	1.2E-3	2.9E-3	6.6E-3	0.014	0.019	0.021	5.1E-3	5.5E-3
AMS30	Ells River	60	100%	1.3E-4	2.6E-4	3.6E-4	1E-3	2.1E-3	4.4E-3	0.011	0.015	0.02	3.9E-3	4.7E-3





Particulate Matter <10µm Tested For Elements - Beryllium (µg/m³) - 2021

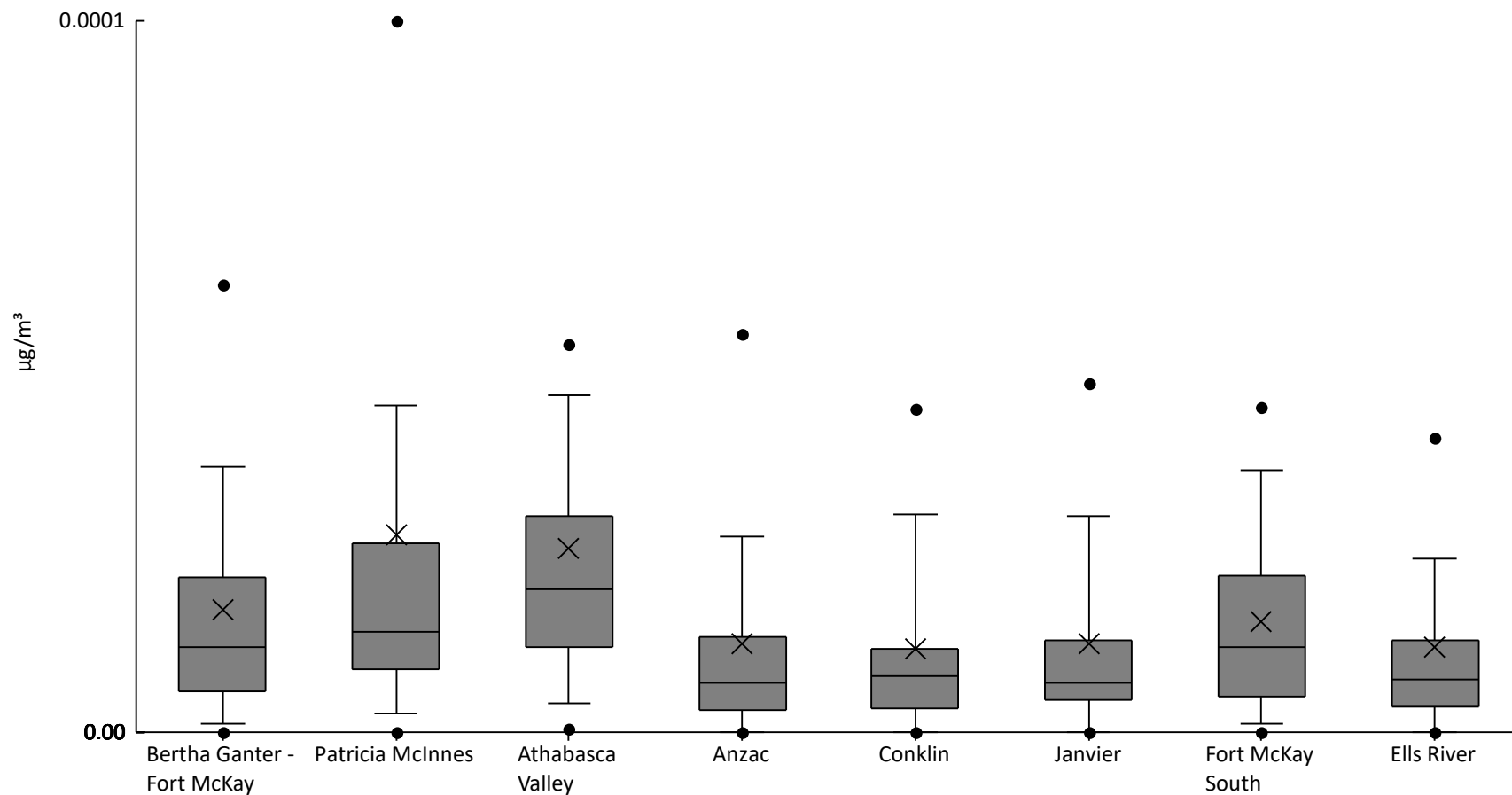
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	61%	0	0	0	5E-6	2.1E-5	3.8E-5	5.2E-5	9.2E-5	1.3E-4	2.7E-5	2.8E-5
AMS06	Patricia McInnes	61	25%	0	0	0	3E-6	6E-6	1.3E-5	2.9E-5	4.5E-5	1.1E-4	1.2E-5	1.9E-5
AMS07	Athabasca Valley	61	34%	0	0	6E-7	4E-6	8E-6	1.8E-5	2.7E-5	3.1E-5	1.2E-4	1.3E-5	1.7E-5
AMS14	Anzac	60	12%	0	0	0	2E-6	5E-6	9E-6	1.9E-5	2.1E-5	2.8E-5	6.7E-6	6.7E-6
AMS21	Conklin	47	19%	0	0	0	3E-6	5E-6	1.2E-5	3E-5	4E-5	7.9E-5	1.1E-5	1.5E-5
AMS22	Janvier	60	15%	0	0	0	1E-6	4.5E-6	1E-5	1.6E-5	2.3E-5	3E-5	6.6E-6	7.1E-6
AMS13	Fort McKay South	61	51%	0	0	0	4E-6	1.4E-5	2.9E-5	6.2E-5	7.1E-5	8.3E-5	2.2E-5	2.2E-5
AMS30	Ells River	60	40%	0	0	5E-7	4.5E-6	9.5E-6	2.3E-5	5.3E-5	6.7E-5	8.6E-5	1.8E-5	2.1E-5





Particulate Matter <10µm Tested For Elements - Bismuth (µg/m³) - 2021

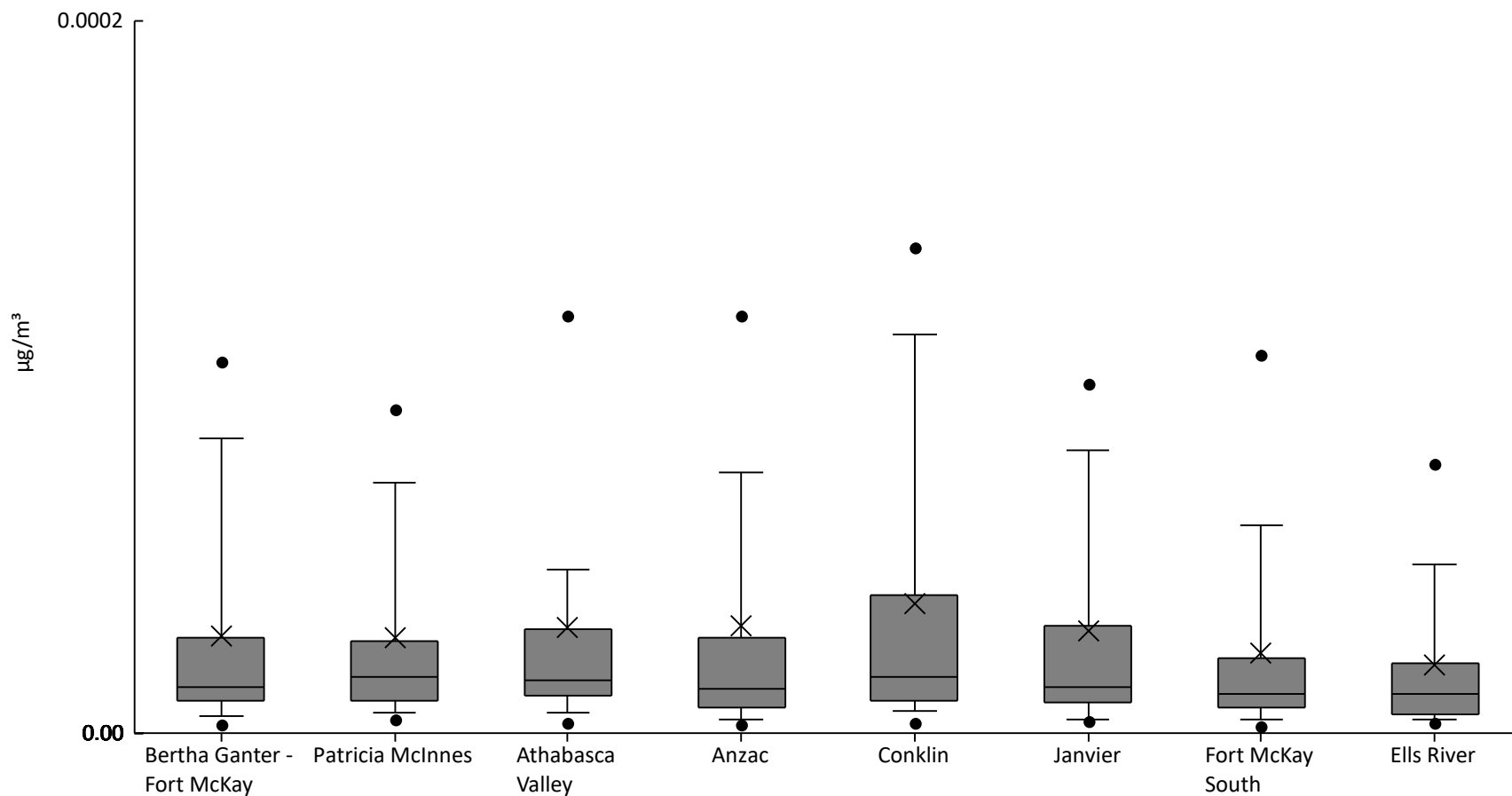
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	79%	0	0	1.2E-6	5.8E-6	1.2E-5	2.2E-5	3.7E-5	6.3E-5	8.3E-5	1.7E-5	1.9E-5
AMS06	Patricia McInnes	61	87%	0	0	2.6E-6	8.8E-6	1.4E-5	2.7E-5	4.6E-5	1E-4	3.6E-4	2.8E-5	5.2E-5
AMS07	Athabasca Valley	61	89%	0	5.5E-7	4E-6	1.2E-5	2E-5	3.1E-5	4.7E-5	5.4E-5	2.4E-4	2.6E-5	3.2E-5
AMS14	Anzac	60	67%	0	0	0	3E-6	7E-6	1.4E-5	2.8E-5	5.6E-5	8.4E-5	1.2E-5	1.7E-5
AMS21	Conklin	47	64%	0	0	0	3.3E-6	8E-6	1.2E-5	3.1E-5	4.5E-5	1.1E-4	1.2E-5	1.8E-5
AMS22	Janvier	60	75%	0	0	0	4.5E-6	7E-6	1.3E-5	3.1E-5	4.9E-5	8.5E-5	1.2E-5	1.6E-5
AMS13	Fort McKay South	61	82%	0	0	1.2E-6	5E-6	1.2E-5	2.2E-5	3.7E-5	4.6E-5	6.2E-5	1.6E-5	1.4E-5
AMS30	Ells River	60	73%	0	0	0	3.5E-6	7.5E-6	1.3E-5	2.5E-5	4.2E-5	1.1E-4	1.2E-5	1.7E-5





Particulate Matter <10µm Tested For Elements - Cadmium (µg/m³) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	66%	0	2.6E-6	4.6E-6	9E-6	1.3E-5	2.7E-5	8.3E-5	1E-4	1.4E-4	2.7E-5	3.3E-5
AMS06	Patricia McInnes	61	67%	1E-6	4E-6	5.6E-6	9E-6	1.6E-5	2.6E-5	7E-5	9.1E-5	2.2E-4	2.7E-5	3.5E-5
AMS07	Athabasca Valley	61	75%	0	3.1E-6	5.6E-6	1.1E-5	1.5E-5	2.9E-5	4.6E-5	1.2E-4	3.5E-4	2.9E-5	4.9E-5
AMS14	Anzac	60	57%	0	2.5E-6	4E-6	7E-6	1.3E-5	2.7E-5	7.3E-5	1.2E-4	2.8E-4	3E-5	4.8E-5
AMS21	Conklin	47	57%	1E-6	2.9E-6	6E-6	9E-6	1.6E-5	3.9E-5	1.1E-4	1.4E-4	2.4E-4	3.7E-5	4.9E-5
AMS22	Janvier	60	70%	0	3.5E-6	4E-6	8.5E-6	1.3E-5	3E-5	8E-5	9.8E-5	2.8E-4	2.9E-5	4.3E-5
AMS13	Fort McKay South	61	56%	1E-6	2E-6	4E-6	7E-6	1.1E-5	2.1E-5	5.8E-5	1.1E-4	1.4E-4	2.2E-5	3.1E-5
AMS30	Ells River	60	52%	1E-6	3E-6	4E-6	5.5E-6	1.1E-5	2E-5	4.8E-5	7.6E-5	1.1E-4	1.9E-5	2.5E-5

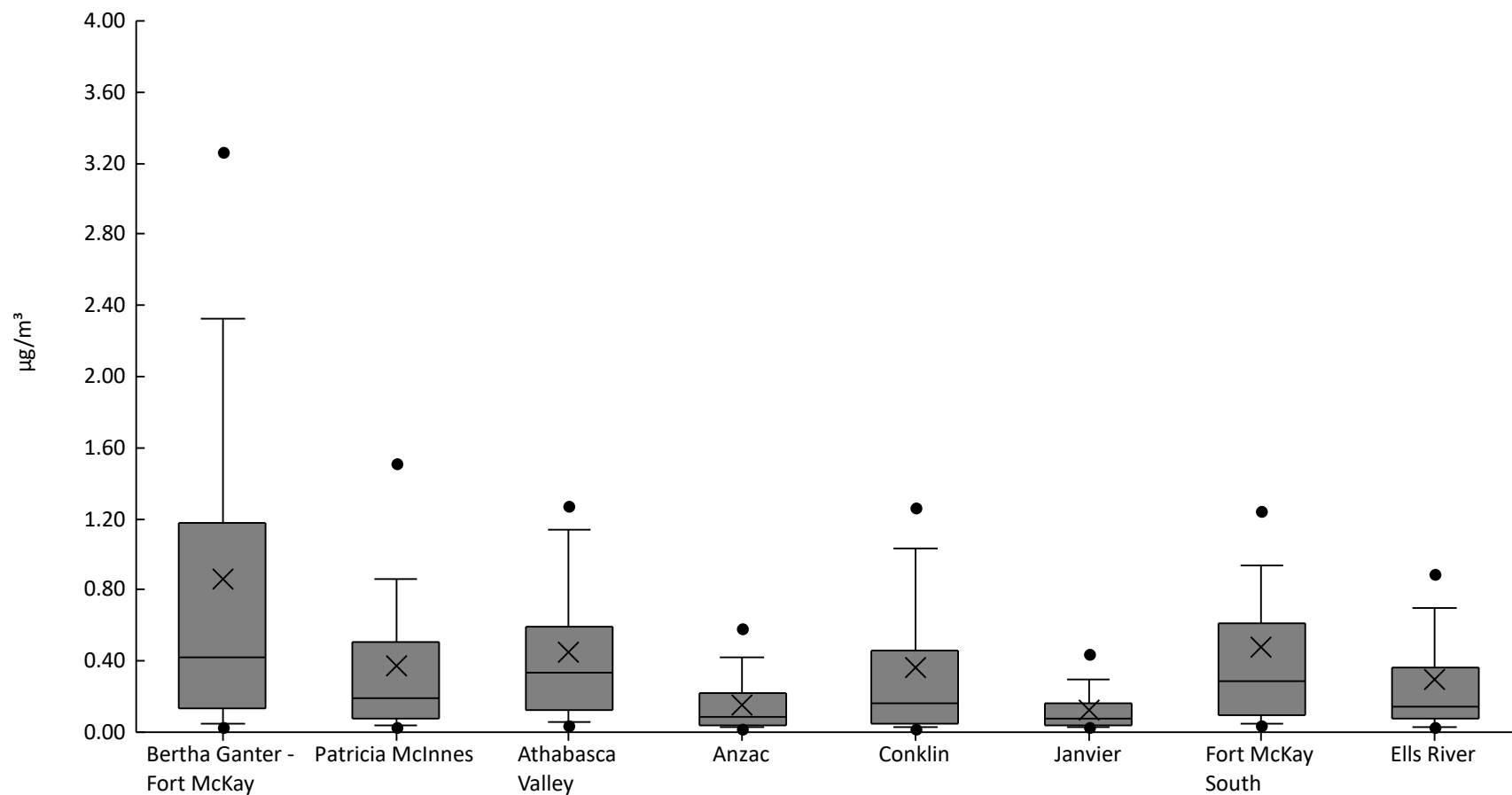






Particulate Matter <10µm Tested For Elements - Calcium (µg/m<sup>3</sup>) - 2021

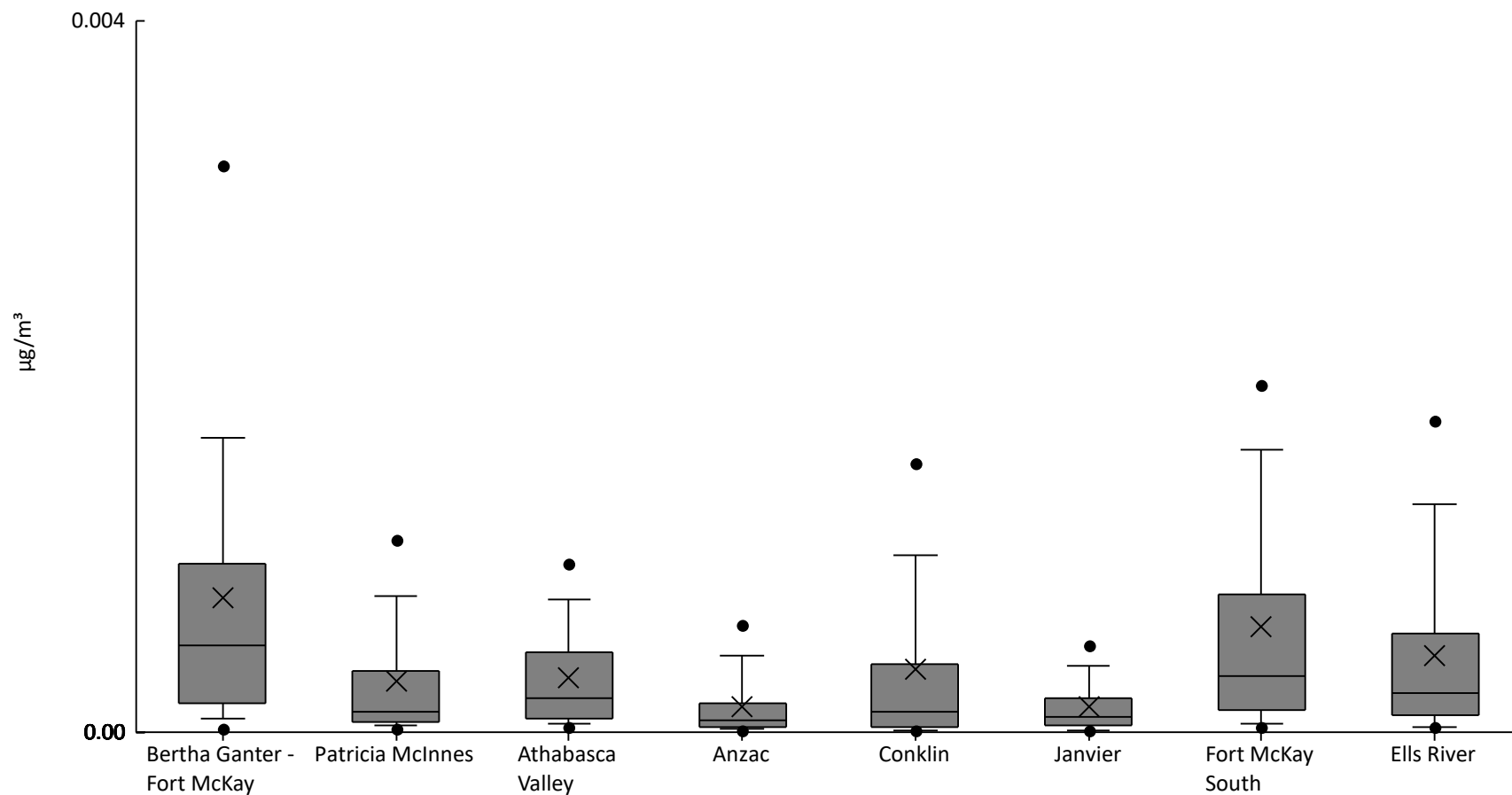
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	0.032	0.049	0.13	0.42	1.2	2.3	3.3	4.5	0.86	1
AMS06	Patricia McInnes	61	100%	0.021	0.028	0.039	0.076	0.19	0.5	0.86	1.5	2.2	0.38	0.49
AMS07	Athabasca Valley	61	100%	0.03	0.04	0.054	0.12	0.33	0.59	1.1	1.3	2.3	0.45	0.45
AMS14	Anzac	60	98%	0	0.023	0.032	0.04	0.088	0.22	0.42	0.58	0.6	0.16	0.17
AMS21	Conklin	47	100%	0.017	0.023	0.03	0.049	0.16	0.46	1	1.3	3	0.36	0.54
AMS22	Janvier	60	100%	0.019	0.025	0.029	0.04	0.079	0.16	0.3	0.44	0.49	0.13	0.12
AMS13	Fort McKay South	61	100%	0.03	0.034	0.044	0.096	0.28	0.61	0.94	1.2	5.1	0.48	0.71
AMS30	Ells River	60	100%	0.016	0.026	0.033	0.073	0.14	0.36	0.7	0.89	2.8	0.3	0.45





Particulate Matter <10µm Tested For Elements - Cerium (µg/m³) - 2021

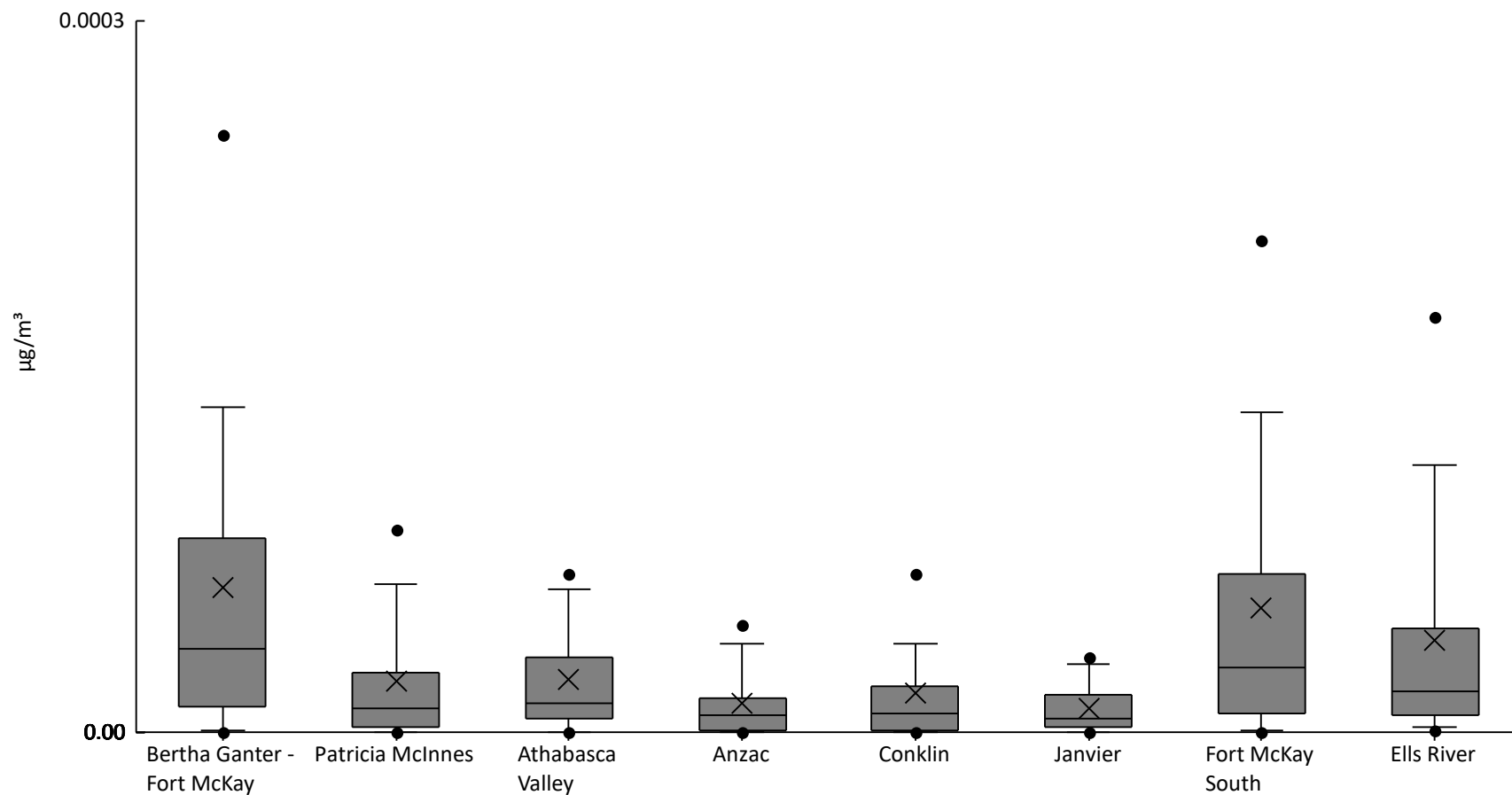
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	97%	0	2E-5	7.6E-5	1.6E-4	4.9E-4	9.5E-4	1.7E-3	3.2E-3	4.2E-3	7.6E-4	9.1E-4
AMS06	Patricia McInnes	61	97%	1E-5	1.8E-5	3.4E-5	6E-5	1.1E-4	3.4E-4	7.6E-4	1.1E-3	2E-3	2.8E-4	3.8E-4
AMS07	Athabasca Valley	61	100%	2.2E-5	2.9E-5	4.3E-5	7.6E-5	1.9E-4	4.5E-4	7.5E-4	9.5E-4	1.5E-3	3.1E-4	3.1E-4
AMS14	Anzac	60	92%	0	9.5E-6	1.6E-5	2.4E-5	6.4E-5	1.6E-4	4.3E-4	6.1E-4	8E-4	1.4E-4	1.9E-4
AMS21	Conklin	47	89%	5E-6	6.9E-6	8.4E-6	3E-5	1.2E-4	3.8E-4	9.9E-4	1.5E-3	3.6E-3	3.6E-4	6.5E-4
AMS22	Janvier	60	90%	5E-6	1.1E-5	1.4E-5	3.7E-5	8.3E-5	1.9E-4	3.7E-4	4.9E-4	7.4E-4	1.5E-4	1.6E-4
AMS13	Fort McKay South	61	100%	1.8E-5	3.2E-5	4.5E-5	1.2E-4	3.2E-4	7.8E-4	1.6E-3	2E-3	2.9E-3	5.9E-4	6.5E-4
AMS30	Ells River	60	97%	7E-6	2.5E-5	3.1E-5	9.2E-5	2.2E-4	5.5E-4	1.3E-3	1.8E-3	1.9E-3	4.3E-4	5.1E-4





Particulate Matter <10µm Tested For Elements - Cesium (µg/m³) - 2021

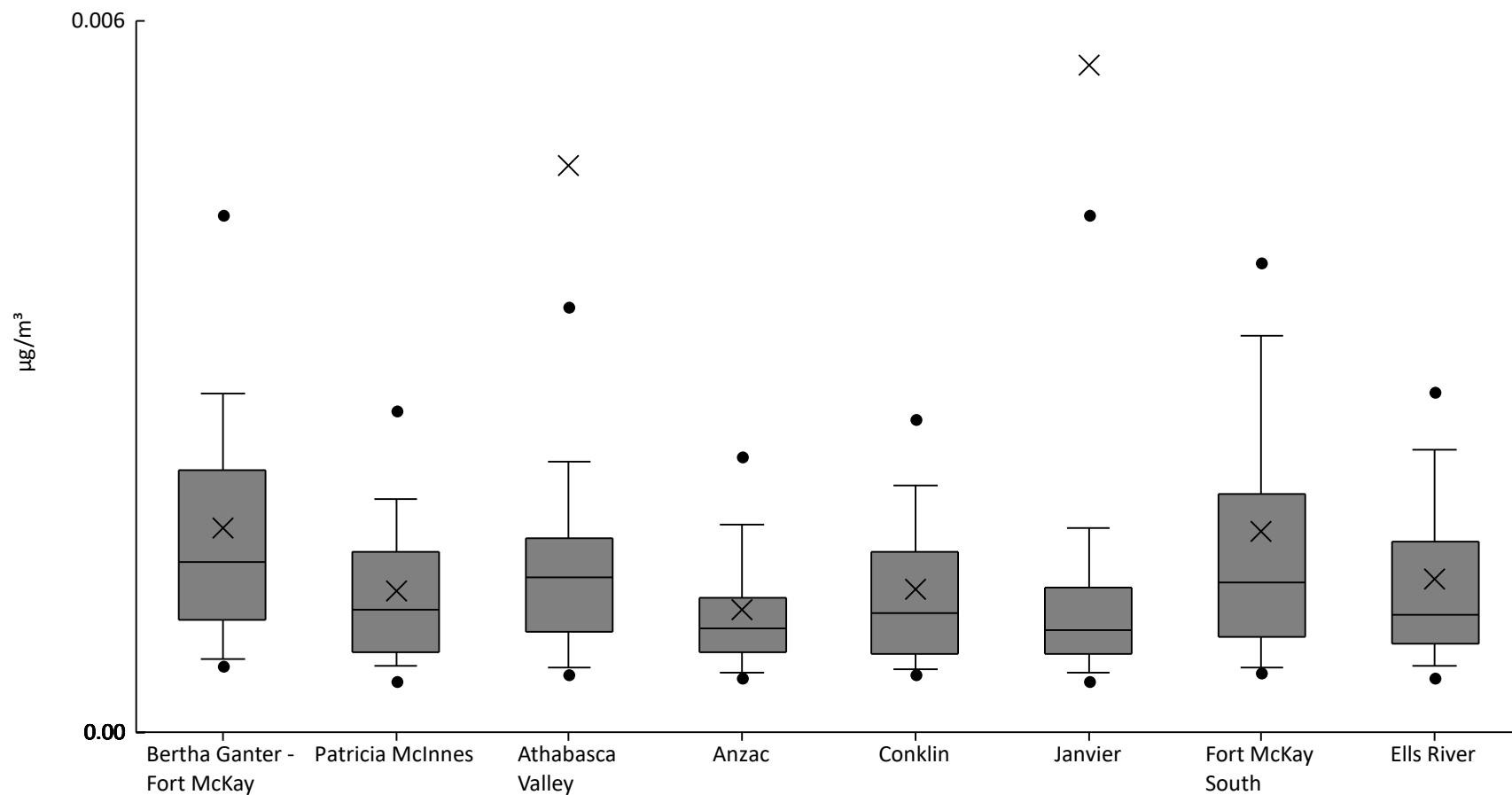
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	89%	0	0	1E-6	1.1E-5	3.5E-5	8.2E-5	1.4E-4	2.5E-4	2.8E-4	6.1E-5	7.1E-5
AMS06	Patricia McInnes	61	66%	0	0	0	2E-6	1E-5	2.5E-5	6.2E-5	8.5E-5	1.7E-4	2.1E-5	3.2E-5
AMS07	Athabasca Valley	61	84%	0	0	0	6E-6	1.2E-5	3.1E-5	6E-5	6.7E-5	1.4E-4	2.2E-5	2.7E-5
AMS14	Anzac	60	58%	0	0	0	1E-6	7E-6	1.4E-5	3.7E-5	4.6E-5	1.2E-4	1.2E-5	1.9E-5
AMS21	Conklin	47	66%	0	0	0	1E-6	8E-6	2E-5	3.7E-5	6.7E-5	1.4E-4	1.6E-5	2.6E-5
AMS22	Janvier	60	63%	0	0	0	2E-6	6E-6	1.6E-5	2.9E-5	3.2E-5	4.2E-5	1E-5	1.1E-5
AMS13	Fort McKay South	61	84%	0	0	1E-6	7.8E-6	2.7E-5	6.7E-5	1.4E-4	2.1E-4	2.4E-4	5.2E-5	6E-5
AMS30	Ells River	60	85%	0	1E-6	2E-6	7E-6	1.7E-5	4.4E-5	1.1E-4	1.8E-4	2.1E-4	3.9E-5	5.1E-5





Particulate Matter <10µm Tested For Elements - Chromium (µg/m³) - 2021

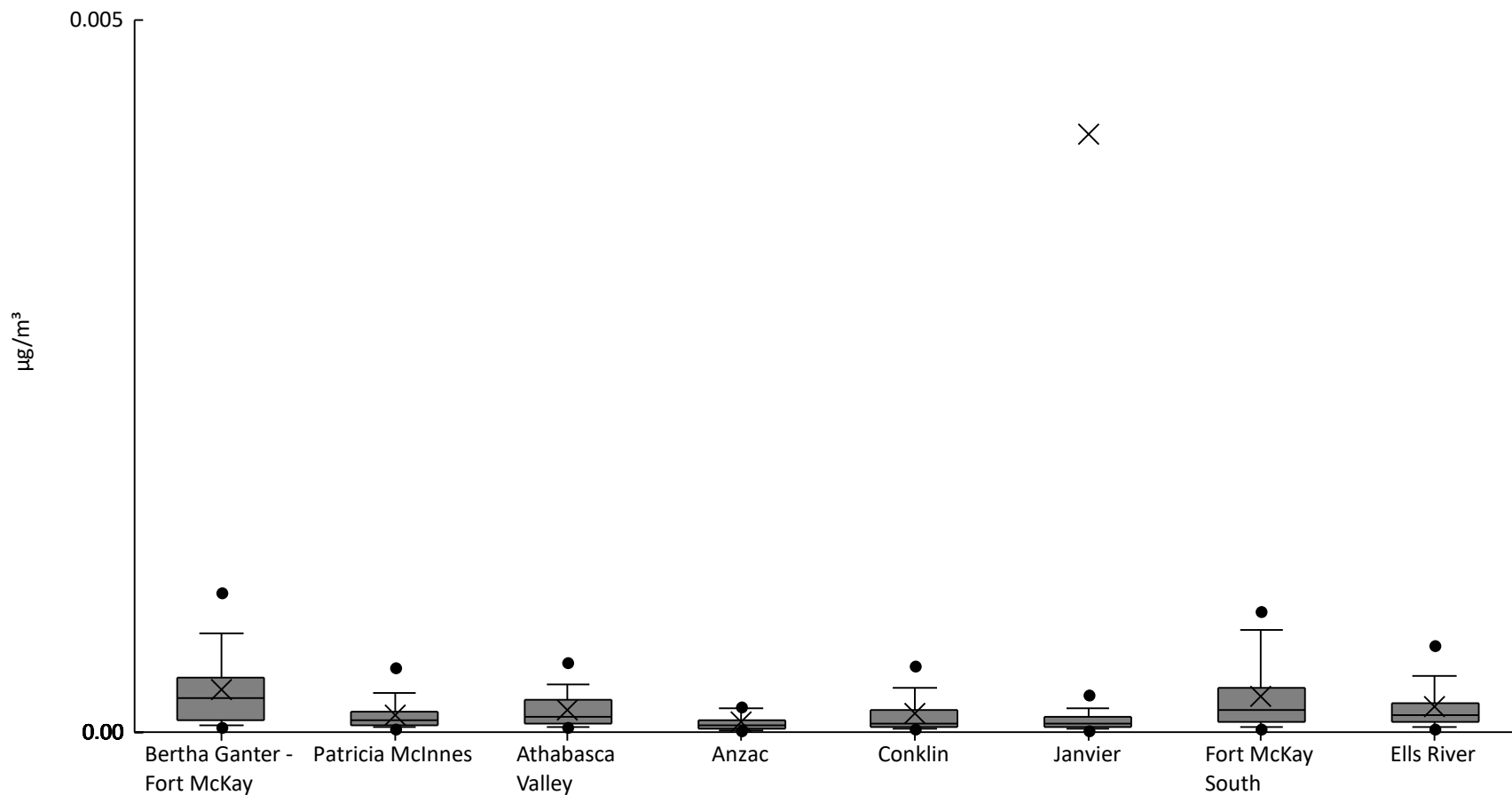
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	5.6E-4	6.1E-4	9.4E-4	1.4E-3	2.2E-3	2.9E-3	4.4E-3	6.9E-3	1.7E-3	1.2E-3
AMS06	Patricia McInnes	61	100%	3.7E-4	4.2E-4	5.6E-4	6.8E-4	1E-3	1.5E-3	2E-3	2.7E-3	5.3E-3	1.2E-3	8E-4
AMS07	Athabasca Valley	61	100%	3.9E-4	4.9E-4	5.5E-4	8.5E-4	1.3E-3	1.6E-3	2.3E-3	3.6E-3	0.21	4.8E-3	0.027
AMS14	Anzac	60	98%	8E-6	4.6E-4	5.1E-4	6.8E-4	8.7E-4	1.1E-3	1.7E-3	2.3E-3	3.8E-3	1E-3	6.3E-4
AMS21	Conklin	47	100%	4.2E-4	4.9E-4	5.3E-4	6.6E-4	1E-3	1.5E-3	2.1E-3	2.6E-3	3.7E-3	1.2E-3	7.3E-4
AMS22	Janvier	60	100%	3E-4	4.4E-4	5E-4	6.6E-4	8.6E-4	1.2E-3	1.7E-3	4.4E-3	0.22	5.6E-3	0.029
AMS13	Fort McKay South	61	100%	3.5E-4	5.1E-4	5.5E-4	8E-4	1.3E-3	2E-3	3.3E-3	4E-3	8.3E-3	1.7E-3	1.5E-3
AMS30	Ells River	60	100%	2.9E-4	4.6E-4	5.7E-4	7.5E-4	1E-3	1.6E-3	2.4E-3	2.9E-3	4.5E-3	1.3E-3	8.2E-4





Particulate Matter <10µm Tested For Elements - Cobalt (µg/m³) - 2021

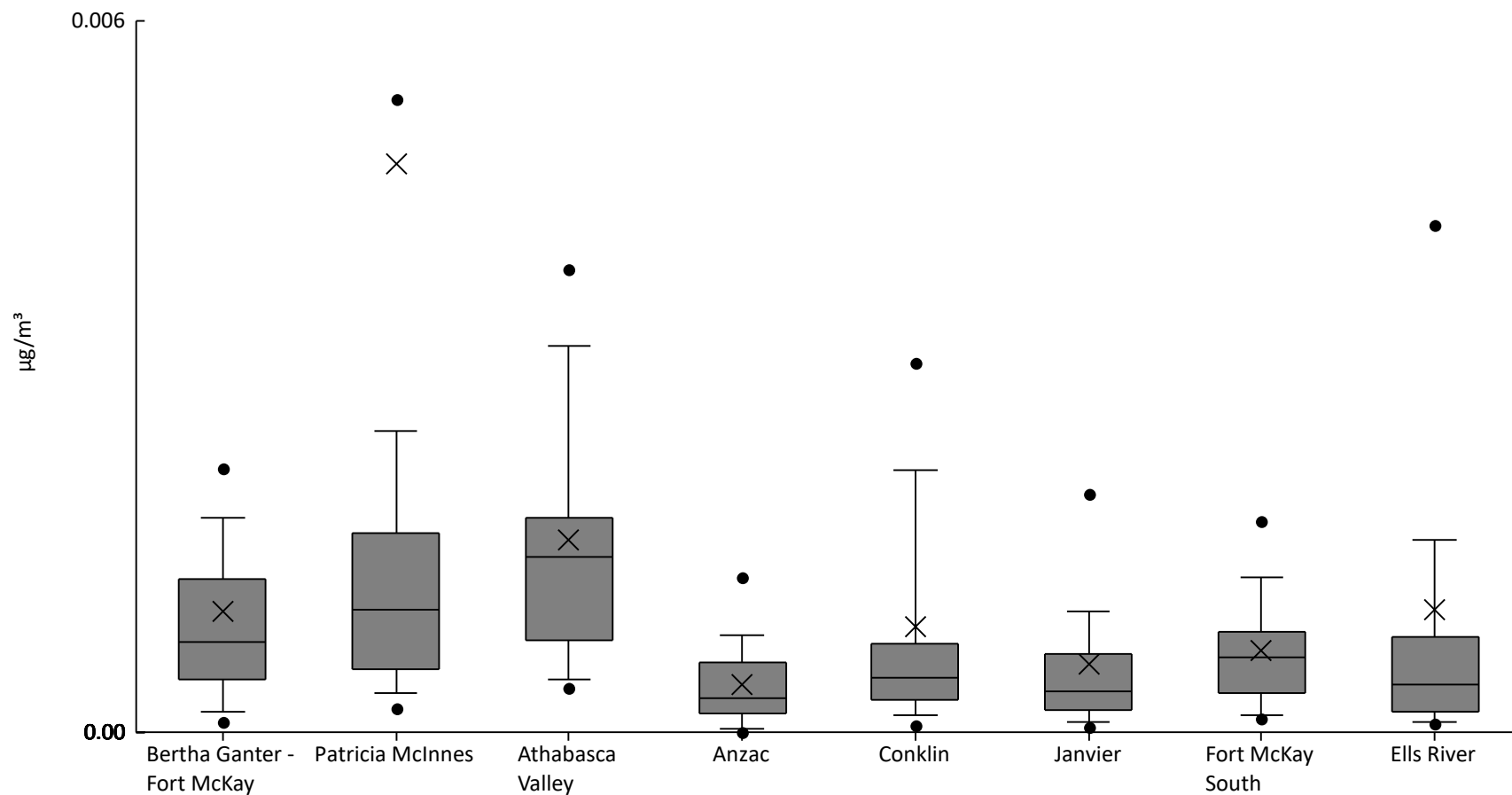
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	3.5E-5	4.9E-5	8.1E-5	2.4E-4	3.8E-4	6.9E-4	9.8E-4	1.2E-3	3E-4	2.8E-4
AMS06	Patricia McInnes	61	100%	1.8E-5	2.7E-5	3E-5	4.3E-5	8E-5	1.4E-4	2.8E-4	4.5E-4	5.8E-4	1.2E-4	1.2E-4
AMS07	Athabasca Valley	61	100%	2.6E-5	3.2E-5	3.7E-5	5.6E-5	1.1E-4	2.3E-4	3.4E-4	4.9E-4	6E-4	1.6E-4	1.3E-4
AMS14	Anzac	60	98%	0	1.3E-5	1.7E-5	2.9E-5	5.1E-5	8.9E-5	1.6E-4	1.8E-4	2.7E-4	6.7E-5	5.4E-5
AMS21	Conklin	47	100%	1.1E-5	2E-5	2.9E-5	3.8E-5	6.2E-5	1.6E-4	3.1E-4	4.6E-4	8.5E-4	1.3E-4	1.6E-4
AMS22	Janvier	60	100%	1.2E-5	1.5E-5	2.2E-5	3.2E-5	5.7E-5	1.1E-4	1.6E-4	2.6E-4	0.25	4.2E-3	0.032
AMS13	Fort McKay South	61	100%	1.9E-5	3E-5	3.7E-5	7.4E-5	1.6E-4	3.2E-4	7.1E-4	8.5E-4	1.1E-3	2.5E-4	2.5E-4
AMS30	Ells River	60	100%	1.9E-5	2.7E-5	3.5E-5	7.4E-5	1.2E-4	2E-4	3.9E-4	6.1E-4	1.1E-3	1.9E-4	1.9E-4





Particulate Matter <10µm Tested For Elements - Copper (µg/m³) - 2021

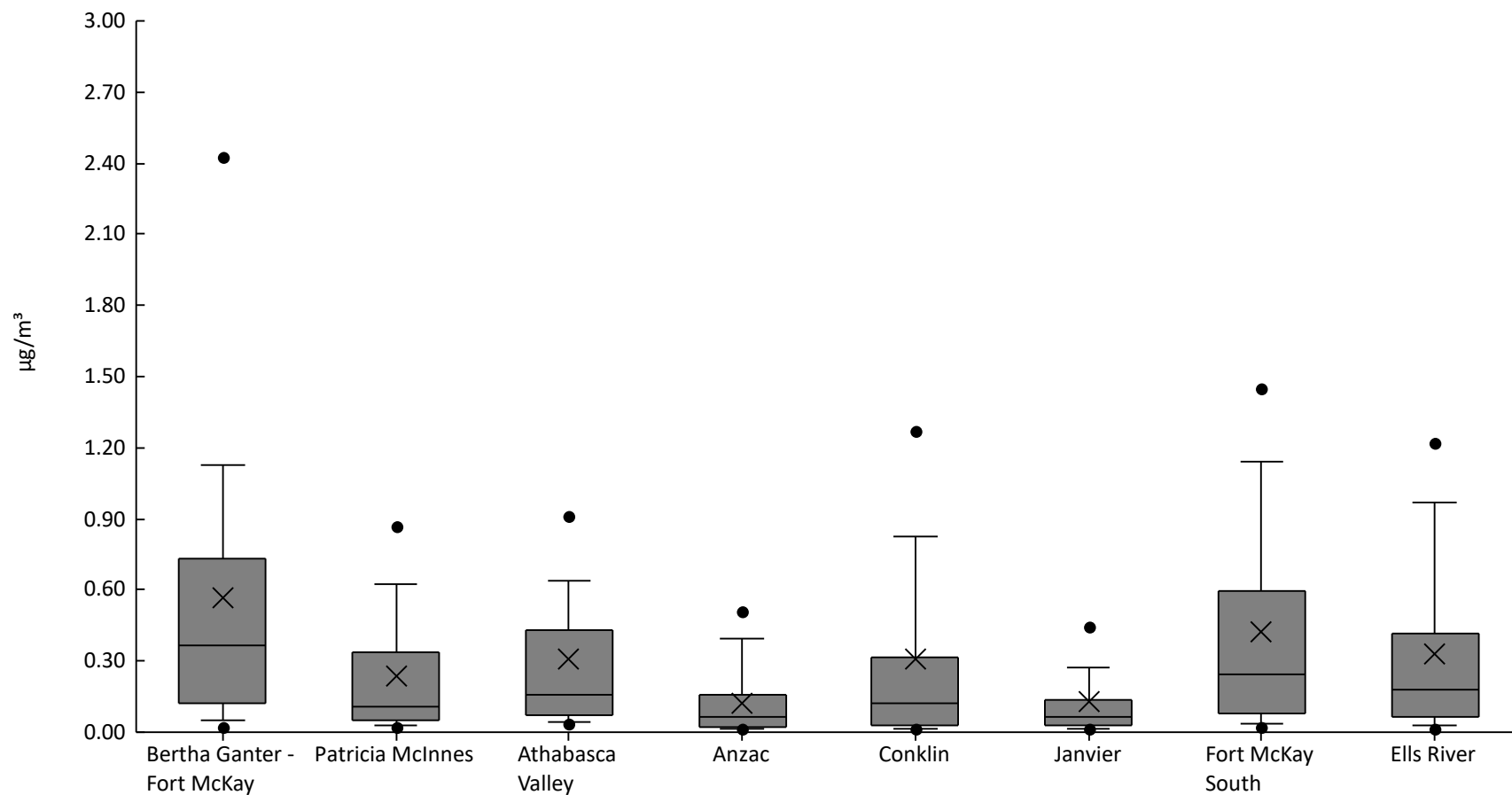
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	9.3E-5	1.7E-4	4.4E-4	7.6E-4	1.3E-3	1.8E-3	2.2E-3	8.1E-3	1E-3	1.1E-3
AMS06	Patricia McInnes	61	100%	3E-5	2E-4	3.3E-4	5.3E-4	1E-3	1.7E-3	2.5E-3	5.3E-3	0.2	4.8E-3	0.026
AMS07	Athabasca Valley	61	100%	2.2E-4	3.8E-4	4.5E-4	7.8E-4	1.5E-3	1.8E-3	3.3E-3	3.9E-3	7.6E-3	1.6E-3	1.3E-3
AMS14	Anzac	60	92%	0	2E-6	3.5E-5	1.6E-4	2.8E-4	5.9E-4	8.1E-4	1.3E-3	1.5E-3	4E-4	3.6E-4
AMS21	Conklin	47	98%	1.2E-5	5.6E-5	1.5E-4	2.7E-4	4.6E-4	7.5E-4	2.2E-3	3.1E-3	8.9E-3	9E-4	1.4E-3
AMS22	Janvier	60	98%	0	4.3E-5	8.8E-5	1.9E-4	3.5E-4	6.6E-4	1E-3	2E-3	4.2E-3	5.7E-4	7.9E-4
AMS13	Fort McKay South	61	100%	6E-5	1.2E-4	1.5E-4	3.4E-4	6.3E-4	8.5E-4	1.3E-3	1.8E-3	2.1E-3	6.9E-4	4.7E-4
AMS30	Ells River	60	98%	2.7E-5	6.6E-5	8.9E-5	1.8E-4	4E-4	8E-4	1.6E-3	4.3E-3	0.019	1E-3	2.6E-3





Particulate Matter <10µm Tested For Elements - Iron (µg/m³) - 2021

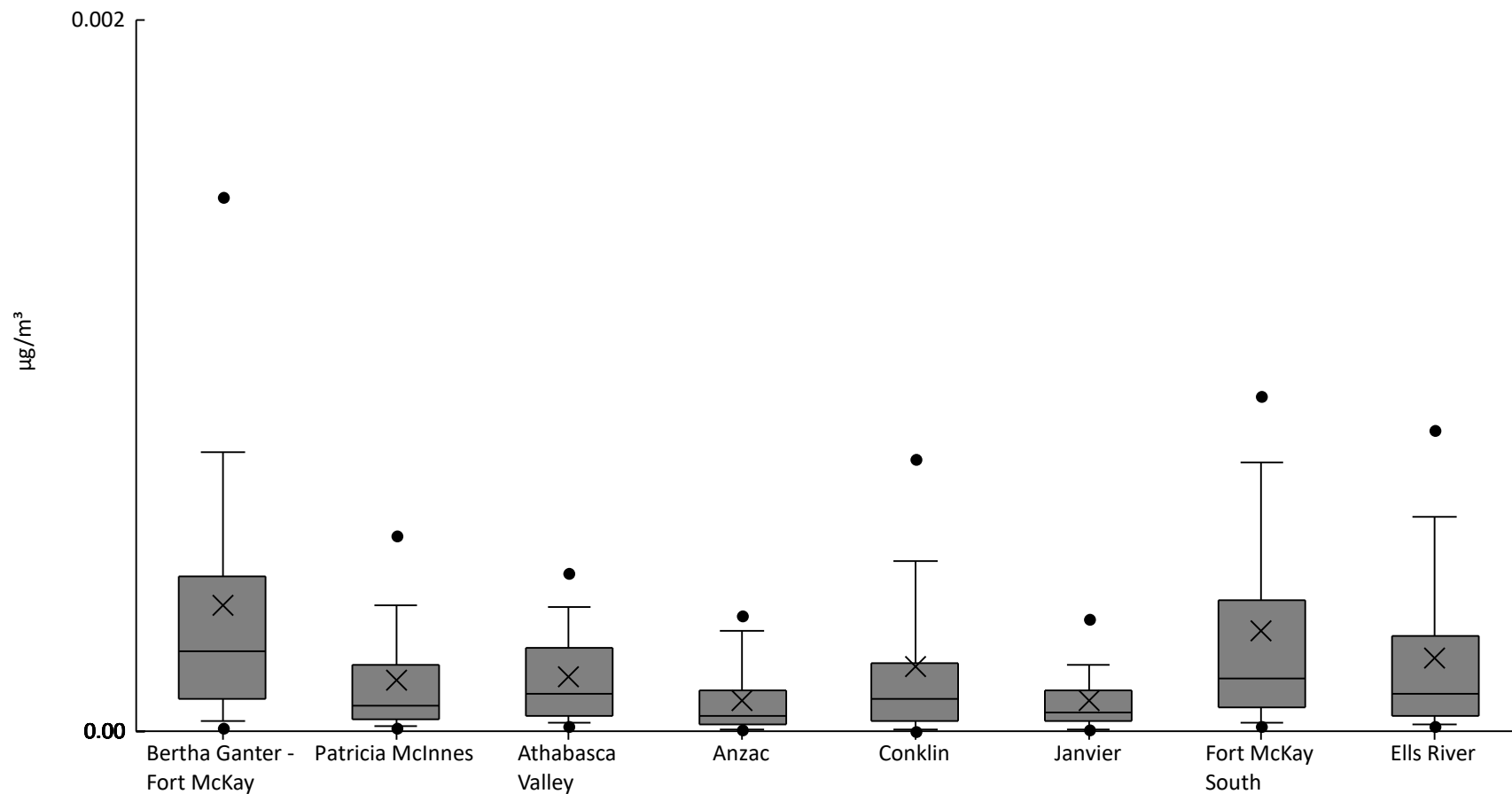
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	0.022	0.047	0.12	0.37	0.73	1.1	2.4	3.3	0.57	0.7
AMS06	Patricia McInnes	61	100%	7.8E-3	0.019	0.027	0.049	0.1	0.34	0.62	0.87	1.3	0.24	0.29
AMS07	Athabasca Valley	61	100%	0.02	0.036	0.043	0.074	0.16	0.43	0.64	0.91	2.4	0.31	0.37
AMS14	Anzac	60	98%	0	0.014	0.016	0.025	0.063	0.16	0.39	0.51	0.59	0.13	0.15
AMS21	Conklin	47	100%	0.01	0.014	0.016	0.026	0.12	0.32	0.83	1.3	3	0.31	0.54
AMS22	Janvier	60	100%	0.011	0.014	0.016	0.027	0.067	0.13	0.27	0.45	1.8	0.13	0.25
AMS13	Fort McKay South	61	100%	0.013	0.024	0.033	0.082	0.24	0.59	1.1	1.5	2	0.42	0.47
AMS30	Ells River	60	100%	5.9E-3	0.015	0.027	0.068	0.18	0.42	0.97	1.2	1.8	0.33	0.39





Particulate Matter <10µm Tested For Elements - Lanthanum (µg/m³) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	9.6E-6	3E-5	9.1E-5	2.3E-4	4.3E-4	7.8E-4	1.5E-3	1.8E-3	3.6E-4	4.2E-4
AMS06	Patricia McInnes	61	100%	5E-6	7.7E-6	1.5E-5	3.2E-5	7.2E-5	1.9E-4	3.5E-4	5.5E-4	9E-4	1.4E-4	1.8E-4
AMS07	Athabasca Valley	61	100%	7E-6	1.2E-5	2.6E-5	4.3E-5	1.1E-4	2.4E-4	3.5E-4	4.5E-4	7.1E-4	1.5E-4	1.5E-4
AMS14	Anzac	60	93%	0	2.5E-6	5.5E-6	1.7E-5	4.4E-5	1.2E-4	2.8E-4	3.2E-4	4.5E-4	8.6E-5	1.1E-4
AMS21	Conklin	47	89%	0	1.9E-6	3.6E-6	2.8E-5	9.1E-5	1.9E-4	4.8E-4	7.7E-4	1.8E-3	1.8E-4	3.1E-4
AMS22	Janvier	60	95%	0	3E-6	6E-6	3E-5	5.3E-5	1.2E-4	1.9E-4	3.2E-4	4E-4	8.5E-5	8.9E-5
AMS13	Fort McKay South	61	100%	9E-6	1.6E-5	2.2E-5	6.7E-5	1.5E-4	3.7E-4	7.6E-4	9.4E-4	1.3E-3	2.8E-4	3.1E-4
AMS30	Ells River	60	100%	4E-6	1.3E-5	1.9E-5	4.4E-5	1E-4	2.7E-4	6E-4	8.5E-4	9.2E-4	2.1E-4	2.4E-4

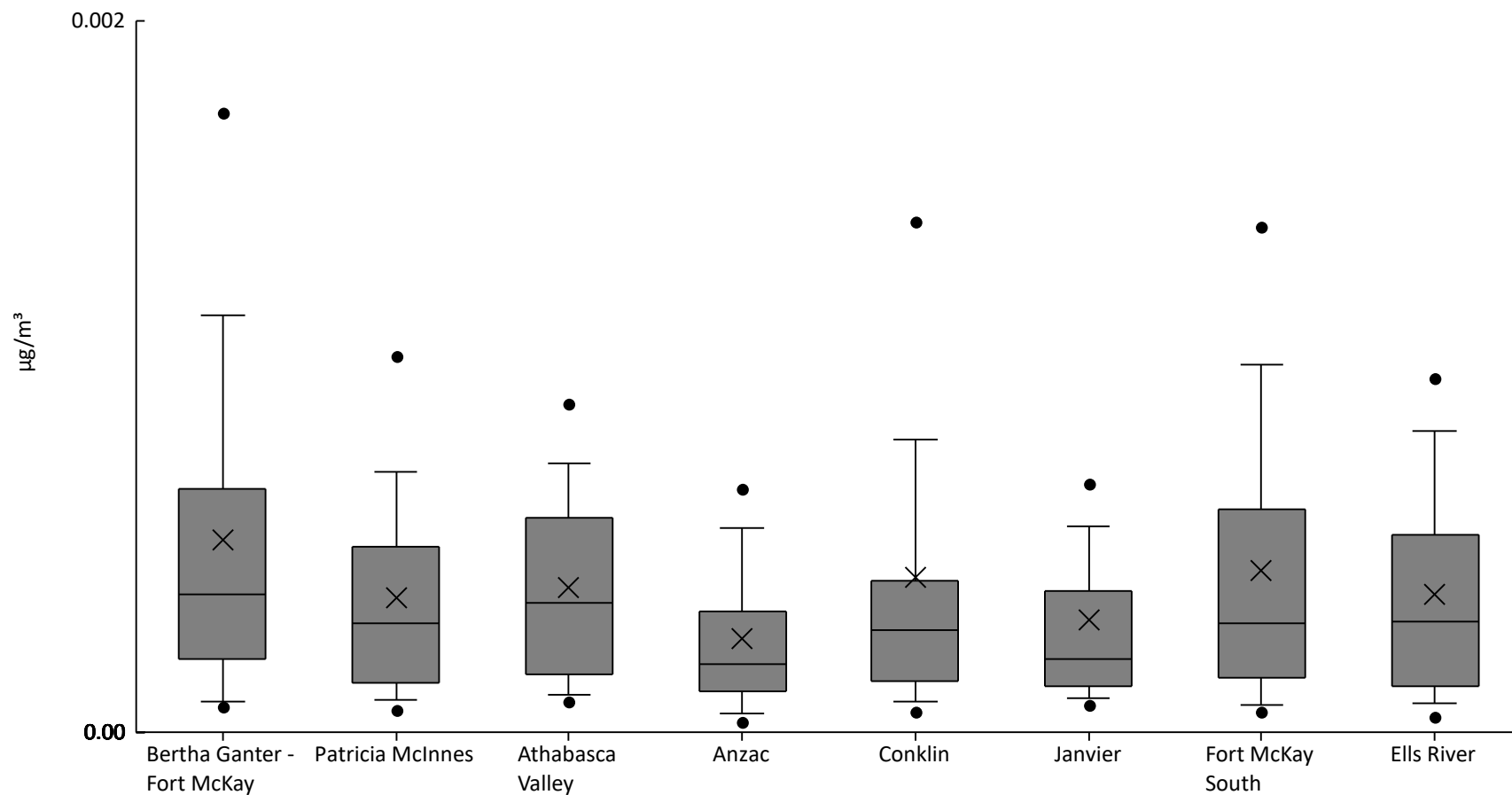






Particulate Matter <10µm Tested For Elements - Lead (µg/m³) - 2021

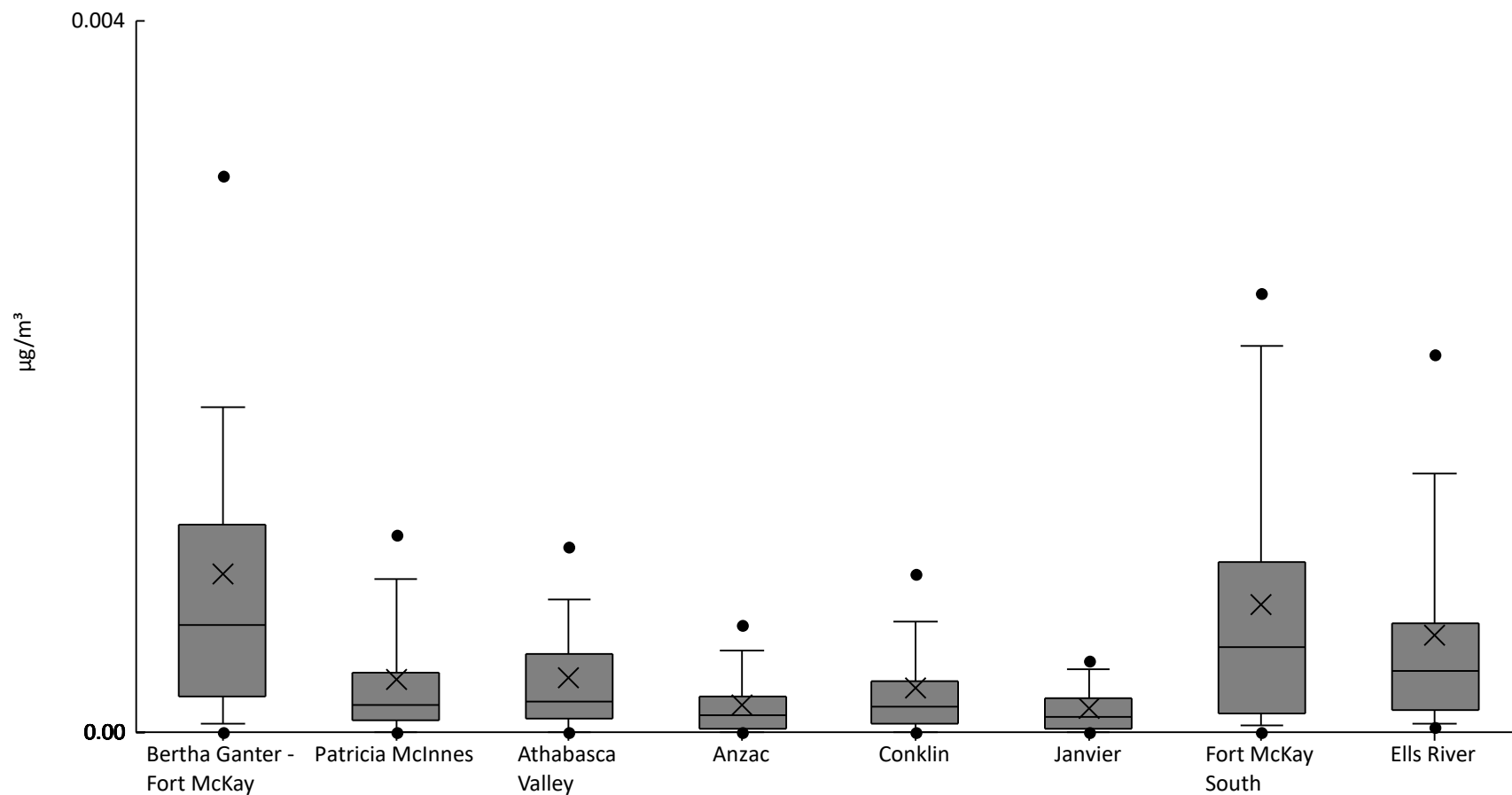
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	7.3E-5	8.7E-5	2.1E-4	3.9E-4	6.8E-4	1.2E-3	1.7E-3	2.5E-3	5.4E-4	5.1E-4
AMS06	Patricia McInnes	61	98%	1.8E-5	6.2E-5	9.1E-5	1.4E-4	3.1E-4	5.2E-4	7.3E-4	1.1E-3	1.6E-3	3.8E-4	3.3E-4
AMS07	Athabasca Valley	61	100%	5.1E-5	8.4E-5	1.1E-4	1.6E-4	3.7E-4	6E-4	7.6E-4	9.2E-4	1.4E-3	4.1E-4	2.9E-4
AMS14	Anzac	60	97%	0	3E-5	5.2E-5	1.1E-4	1.9E-4	3.4E-4	5.7E-4	6.8E-4	1.2E-3	2.6E-4	2.3E-4
AMS21	Conklin	47	98%	1.6E-5	5.5E-5	8.6E-5	1.4E-4	2.9E-4	4.3E-4	8.2E-4	1.4E-3	3.4E-3	4.3E-4	6.1E-4
AMS22	Janvier	60	100%	4.9E-5	7.6E-5	9.4E-5	1.3E-4	2.1E-4	4E-4	5.8E-4	7E-4	3E-3	3.1E-4	3.9E-4
AMS13	Fort McKay South	61	100%	3.7E-5	5.8E-5	7.7E-5	1.5E-4	3.1E-4	6.3E-4	1E-3	1.4E-3	1.8E-3	4.6E-4	4.1E-4
AMS30	Ells River	60	100%	3E-5	4.5E-5	8.1E-5	1.3E-4	3.1E-4	5.6E-4	8.5E-4	9.9E-4	1.4E-3	3.9E-4	3.2E-4





Particulate Matter <10µm Tested For Elements - Lithium (µg/m³) - 2021

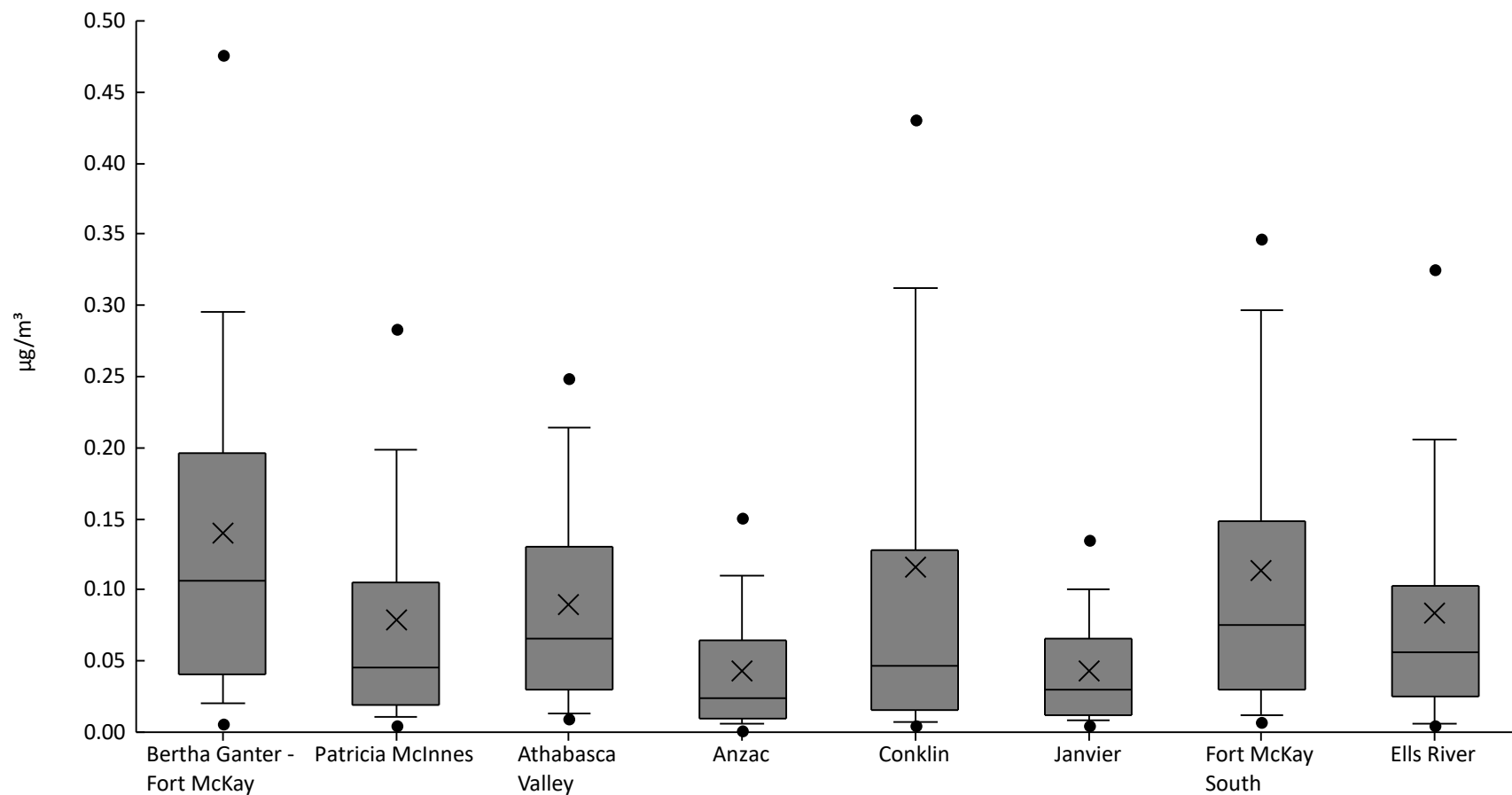
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	92%	0	5.5E-7	4.8E-5	2E-4	6E-4	1.2E-3	1.8E-3	3.1E-3	5.4E-3	8.9E-4	1E-3
AMS06	Patricia McInnes	61	84%	0	0	0	6.6E-5	1.5E-4	3.3E-4	8.6E-4	1.1E-3	2.1E-3	2.9E-4	4.1E-4
AMS07	Athabasca Valley	61	85%	0	0	0	8.1E-5	1.8E-4	4.4E-4	7.4E-4	1E-3	1.9E-3	3E-4	3.6E-4
AMS14	Anzac	60	77%	0	0	0	1.9E-5	9.4E-5	2E-4	4.6E-4	6E-4	8.1E-4	1.6E-4	1.9E-4
AMS21	Conklin	47	81%	0	0	0	5.1E-5	1.4E-4	2.9E-4	6.3E-4	8.9E-4	1.9E-3	2.5E-4	3.5E-4
AMS22	Janvier	60	75%	0	0	0	1.9E-5	8.4E-5	1.9E-4	3.6E-4	4E-4	4.9E-4	1.3E-4	1.4E-4
AMS13	Fort McKay South	61	90%	0	0	3.7E-5	1E-4	4.8E-4	9.6E-4	2.2E-3	2.5E-3	2.8E-3	7.1E-4	7.7E-4
AMS30	Ells River	60	97%	0	2.6E-5	5.3E-5	1.3E-4	3.4E-4	6.2E-4	1.5E-3	2.1E-3	2.6E-3	5.4E-4	6.2E-4





Particulate Matter <10µm Tested For Elements - Magnesium (µg/m³) - 2021

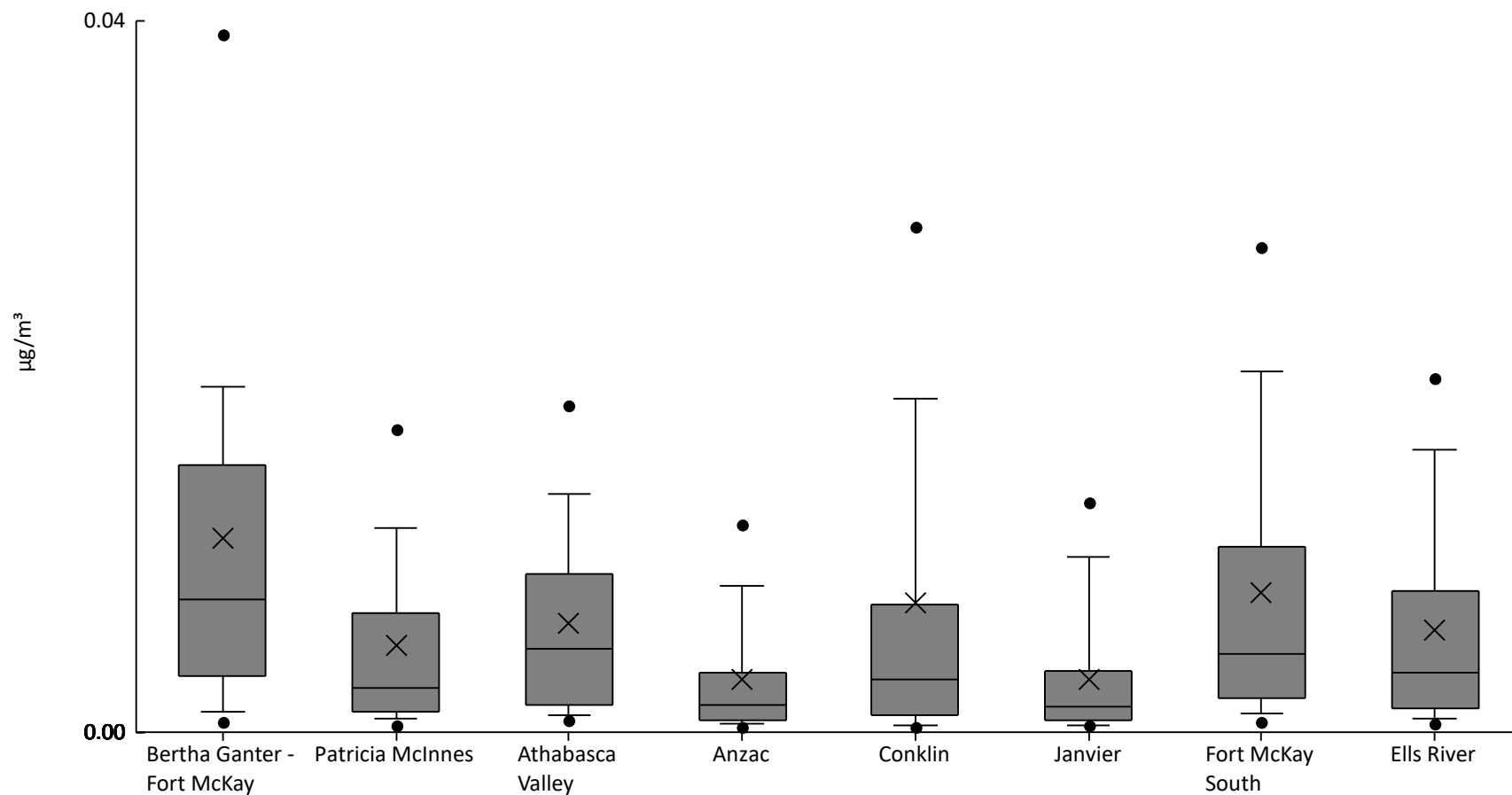
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	6.4E-3	0.02	0.041	0.11	0.2	0.3	0.48	0.59	0.14	0.14
AMS06	Patricia McInnes	61	100%	2.4E-3	5E-3	0.011	0.019	0.045	0.11	0.2	0.28	0.43	0.079	0.089
AMS07	Athabasca Valley	61	100%	5.9E-3	9.5E-3	0.013	0.03	0.066	0.13	0.21	0.25	0.32	0.09	0.077
AMS14	Anzac	60	95%	0	1.6E-3	5.5E-3	9.5E-3	0.024	0.065	0.11	0.15	0.2	0.043	0.046
AMS21	Conklin	47	98%	0	5.2E-3	7E-3	0.015	0.046	0.13	0.31	0.43	1	0.12	0.19
AMS22	Janvier	60	98%	0	5.3E-3	8.1E-3	0.013	0.03	0.066	0.1	0.14	0.2	0.043	0.043
AMS13	Fort McKay South	61	100%	5.8E-3	7.6E-3	0.012	0.03	0.075	0.15	0.3	0.35	0.5	0.11	0.11
AMS30	Ells River	60	100%	1.8E-3	5E-3	6.5E-3	0.025	0.056	0.1	0.21	0.33	0.41	0.084	0.092





Particulate Matter <10µm Tested For Elements - Manganese (µg/m³) - 2021

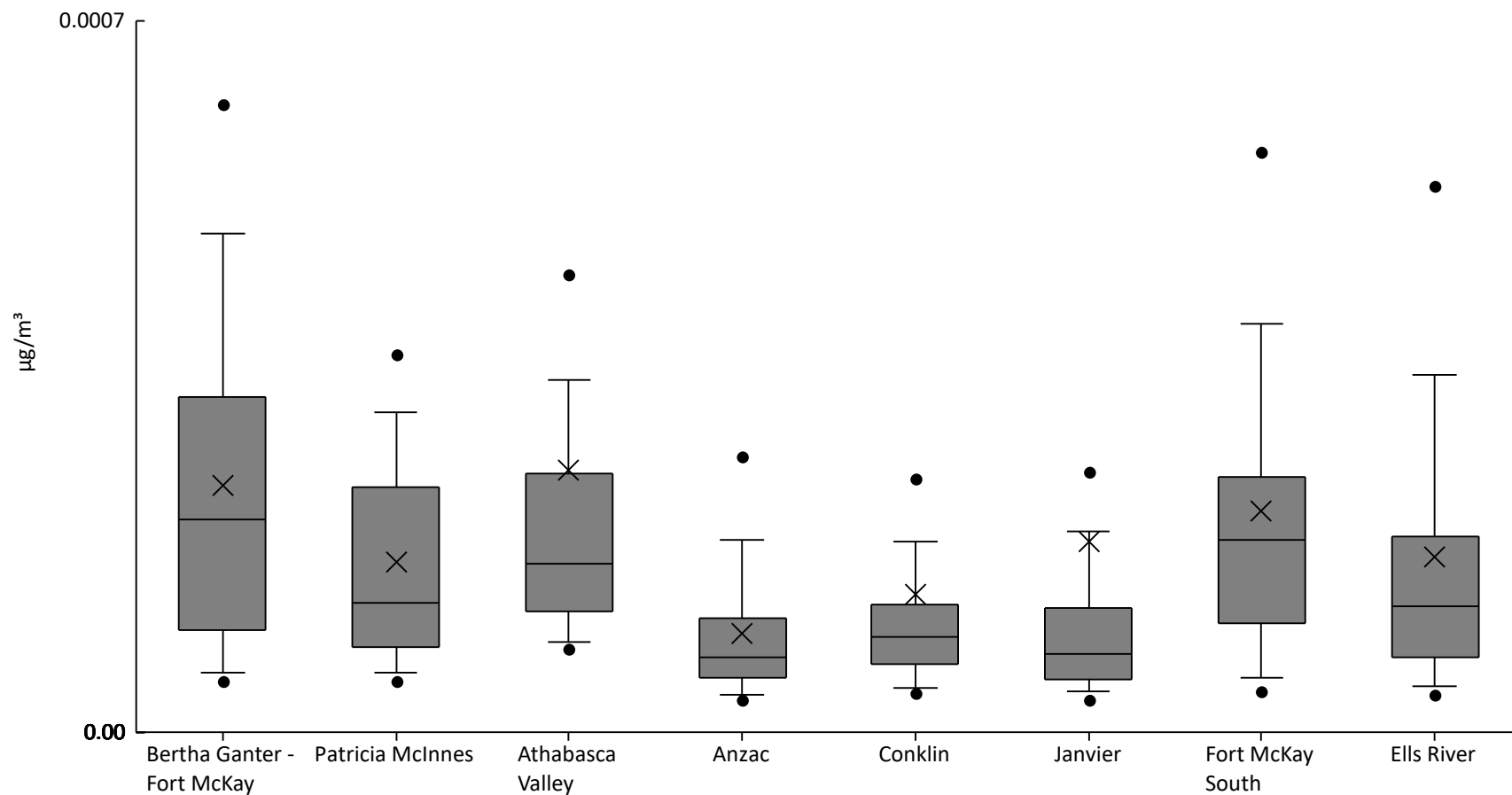
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	5E-6	5.4E-4	1.1E-3	3.1E-3	7.5E-3	0.015	0.019	0.039	0.071	0.011	0.013
AMS06	Patricia McInnes	61	100%	1.4E-4	3.7E-4	7.7E-4	1.2E-3	2.5E-3	6.7E-3	0.012	0.017	0.029	4.9E-3	5.8E-3
AMS07	Athabasca Valley	61	100%	4.4E-4	6.8E-4	9.6E-4	1.6E-3	4.7E-3	8.9E-3	0.013	0.018	0.031	6.1E-3	6.1E-3
AMS14	Anzac	60	98%	2.3E-5	3.3E-4	5.2E-4	6.8E-4	1.5E-3	3.4E-3	8.3E-3	0.012	0.021	2.9E-3	4E-3
AMS21	Conklin	47	100%	2.2E-4	3.1E-4	4.2E-4	9.4E-4	2.9E-3	7.2E-3	0.019	0.028	0.071	7.3E-3	0.012
AMS22	Janvier	60	100%	2.3E-4	3.5E-4	3.9E-4	6.9E-4	1.4E-3	3.4E-3	9.8E-3	0.013	0.014	3E-3	3.7E-3
AMS13	Fort McKay South	61	100%	3.4E-4	5.4E-4	1E-3	1.9E-3	4.4E-3	0.01	0.02	0.027	0.039	7.8E-3	8.7E-3
AMS30	Ells River	60	100%	2E-4	4.5E-4	7.6E-4	1.4E-3	3.4E-3	7.9E-3	0.016	0.02	0.026	5.8E-3	6.2E-3





Particulate Matter <10µm Tested For Elements - Molybdenum (µg/m³) - 2021

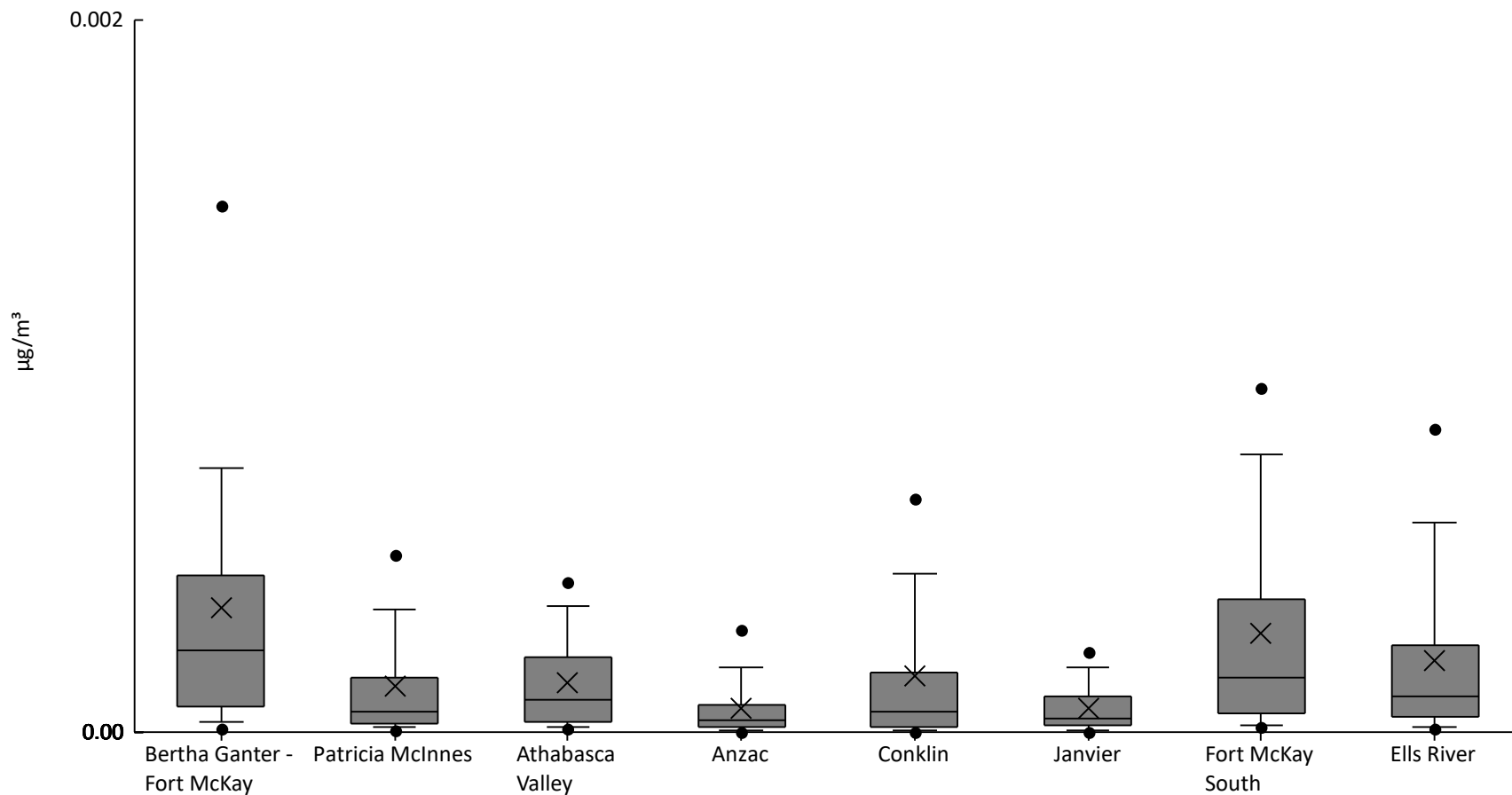
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	2E-6	5E-5	5.9E-5	1E-4	2.1E-4	3.3E-4	4.9E-4	6.2E-4	8.9E-4	2.4E-4	1.9E-4
AMS06	Patricia McInnes	61	100%	3.8E-5	5E-5	5.8E-5	8.3E-5	1.3E-4	2.4E-4	3.1E-4	3.7E-4	6.3E-4	1.7E-4	1.1E-4
AMS07	Athabasca Valley	61	100%	5.5E-5	8.2E-5	8.9E-5	1.2E-4	1.7E-4	2.6E-4	3.5E-4	4.5E-4	4.1E-3	2.6E-4	5.1E-4
AMS14	Anzac	60	97%	2E-6	3.2E-5	3.7E-5	5.4E-5	7.5E-5	1.1E-4	1.9E-4	2.7E-4	3.4E-4	9.7E-5	7.1E-5
AMS21	Conklin	47	100%	3.6E-5	3.8E-5	4.4E-5	6.8E-5	9.3E-5	1.3E-4	1.9E-4	2.5E-4	1.7E-3	1.4E-4	2.3E-4
AMS22	Janvier	60	100%	2.7E-5	3.1E-5	4.1E-5	5.3E-5	7.8E-5	1.2E-4	2E-4	2.6E-4	5.6E-3	1.9E-4	7.1E-4
AMS13	Fort McKay South	61	100%	3.6E-5	4.1E-5	5.4E-5	1.1E-4	1.9E-4	2.5E-4	4E-4	5.7E-4	1.1E-3	2.2E-4	1.8E-4
AMS30	Ells River	60	100%	2.8E-5	3.7E-5	4.6E-5	7.4E-5	1.2E-4	1.9E-4	3.5E-4	5.4E-4	1E-3	1.7E-4	1.7E-4





Particulate Matter <10µm Tested For Elements - Neodymium (µg/m³) - 2021

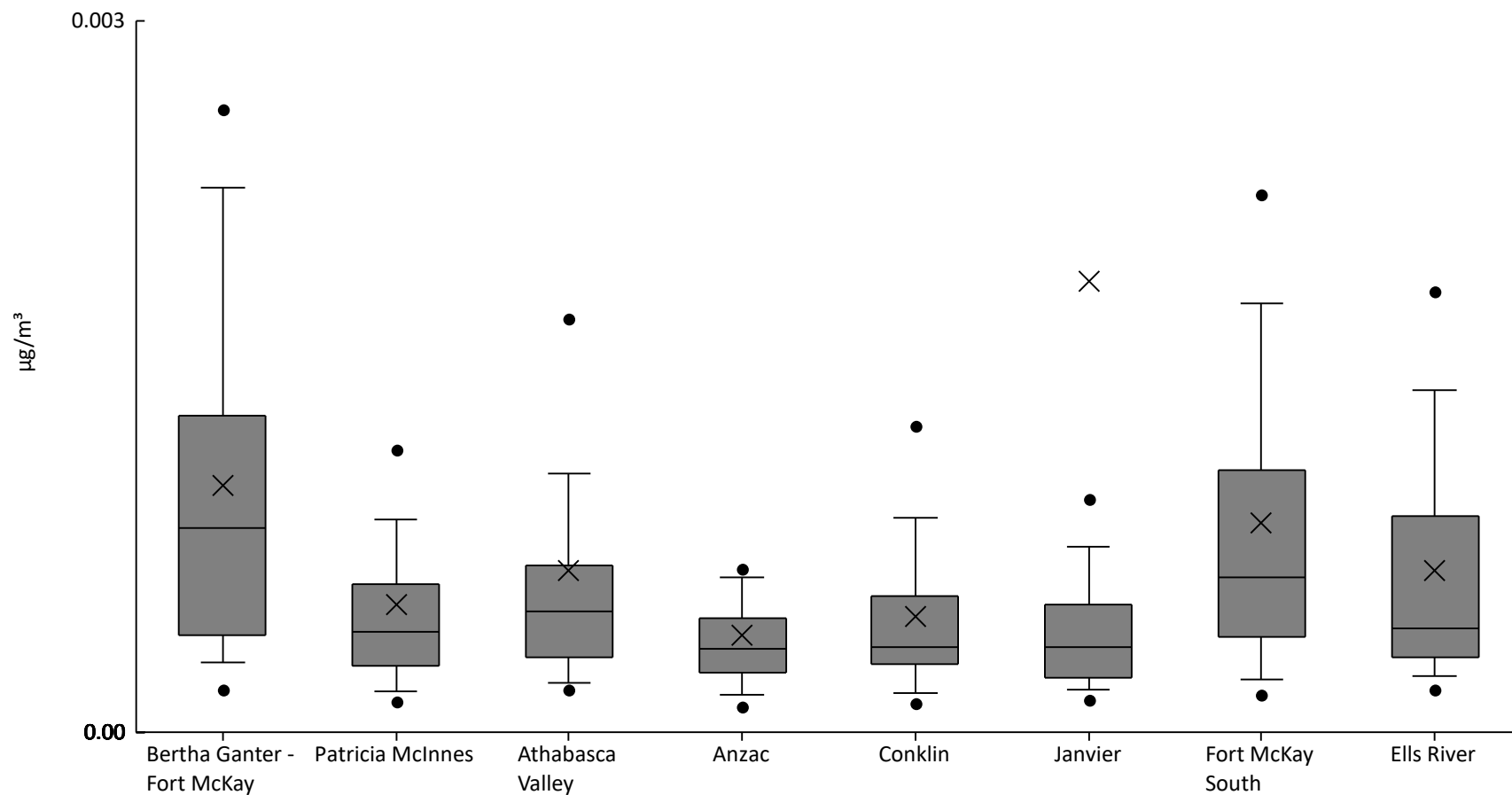
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	97%	0	9E-6	2.9E-5	7.2E-5	2.3E-4	4.4E-4	7.4E-4	1.5E-3	1.8E-3	3.5E-4	4.1E-4
AMS06	Patricia McInnes	61	98%	5E-6	7.1E-6	1.2E-5	2.3E-5	5.8E-5	1.5E-4	3.5E-4	5E-4	8.9E-4	1.3E-4	1.8E-4
AMS07	Athabasca Valley	61	98%	5E-6	8.1E-6	1.3E-5	2.9E-5	9E-5	2.1E-4	3.5E-4	4.2E-4	7.2E-4	1.4E-4	1.5E-4
AMS14	Anzac	60	87%	0	2E-6	4.5E-6	1.4E-5	3.2E-5	7.8E-5	1.8E-4	2.9E-4	3.4E-4	6.5E-5	8.3E-5
AMS21	Conklin	47	87%	1E-6	1E-6	3.4E-6	1.5E-5	5.7E-5	1.7E-4	4.5E-4	6.5E-4	1.6E-3	1.6E-4	2.8E-4
AMS22	Janvier	60	90%	1E-6	2E-6	5.5E-6	1.7E-5	3.6E-5	1E-4	1.8E-4	2.3E-4	3.2E-4	6.9E-5	7.5E-5
AMS13	Fort McKay South	61	100%	8E-6	1.3E-5	2.1E-5	5E-5	1.5E-4	3.7E-4	7.8E-4	9.7E-4	1.2E-3	2.8E-4	3E-4
AMS30	Ells River	60	97%	4E-6	1E-5	1.4E-5	4.4E-5	1E-4	2.4E-4	5.9E-4	8.5E-4	9.5E-4	2E-4	2.4E-4





Particulate Matter <10µm Tested For Elements - Nickel (µg/m³) - 2021

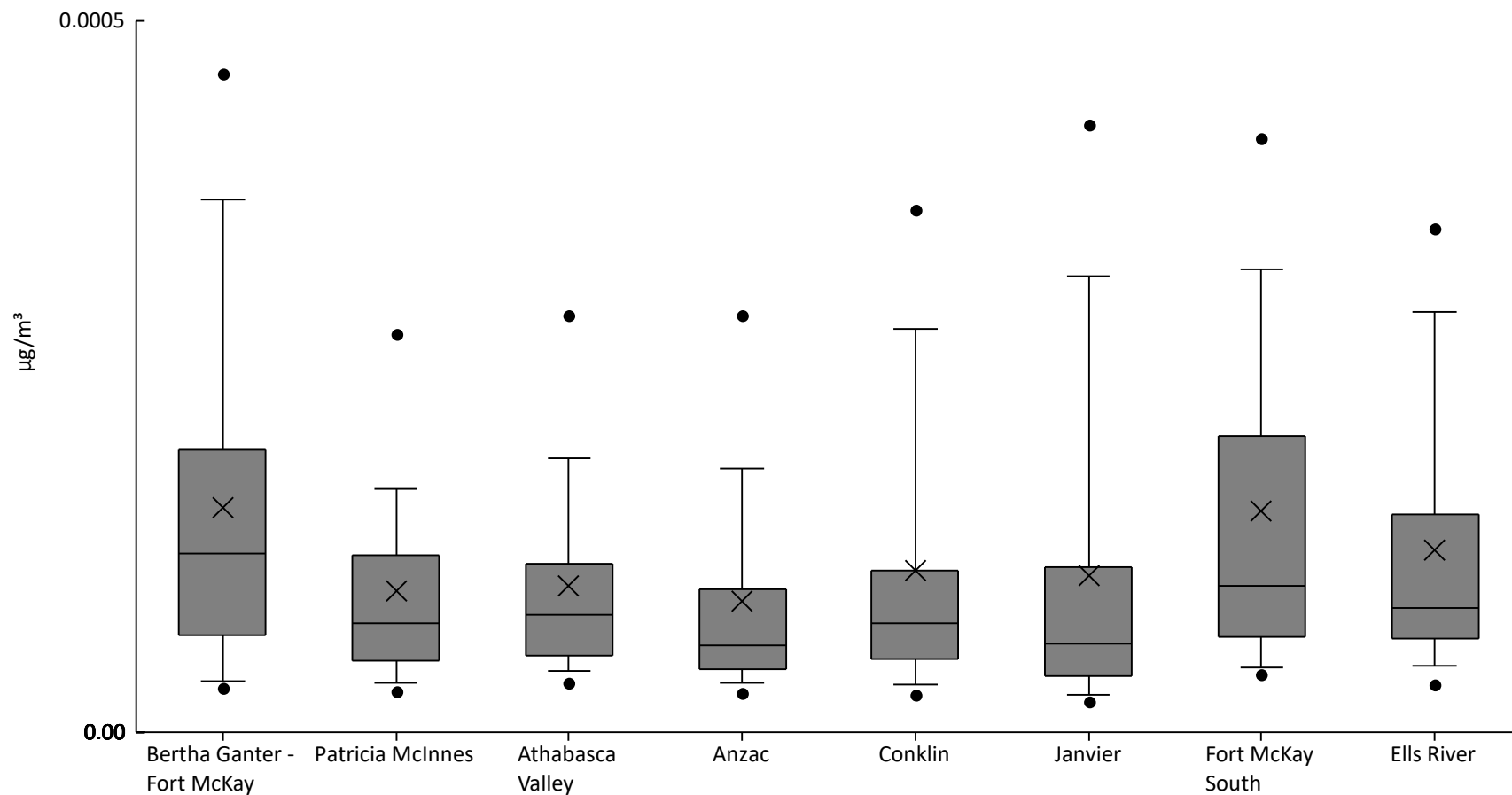
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	1.8E-4	2.9E-4	4.1E-4	8.6E-4	1.3E-3	2.3E-3	2.6E-3	3.6E-3	1E-3	8.1E-4
AMS06	Patricia McInnes	61	100%	1E-4	1.3E-4	1.7E-4	2.8E-4	4.3E-4	6.2E-4	9E-4	1.2E-3	3.8E-3	5.4E-4	5.2E-4
AMS07	Athabasca Valley	61	100%	1.5E-4	1.8E-4	2E-4	3.1E-4	5.1E-4	7E-4	1.1E-3	1.7E-3	6.1E-3	6.8E-4	8.1E-4
AMS14	Anzac	60	98%	0	1.1E-4	1.6E-4	2.5E-4	3.5E-4	4.8E-4	6.6E-4	6.9E-4	2.6E-3	4.1E-4	3.4E-4
AMS21	Conklin	47	98%	0	1.2E-4	1.7E-4	2.8E-4	3.6E-4	5.8E-4	9E-4	1.3E-3	2.3E-3	4.9E-4	4.1E-4
AMS22	Janvier	60	100%	1.1E-4	1.4E-4	1.8E-4	2.3E-4	3.6E-4	5.4E-4	7.8E-4	9.9E-4	0.085	1.9E-3	0.011
AMS13	Fort McKay South	61	100%	1.3E-4	1.6E-4	2.2E-4	4E-4	6.6E-4	1.1E-3	1.8E-3	2.3E-3	3.8E-3	8.8E-4	7.6E-4
AMS30	Ells River	60	100%	7.8E-5	1.8E-4	2.4E-4	3.2E-4	4.4E-4	9.1E-4	1.4E-3	1.9E-3	2.8E-3	6.8E-4	5.6E-4





Particulate Matter <10µm Tested For Elements - Niobium (µg/m³) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	1E-6	3.2E-5	3.6E-5	6.8E-5	1.3E-4	2E-4	3.8E-4	4.6E-4	6.8E-4	1.6E-4	1.3E-4
AMS06	Patricia McInnes	61	100%	2.4E-5	2.9E-5	3.5E-5	5E-5	7.6E-5	1.2E-4	1.7E-4	2.8E-4	3.7E-4	9.9E-5	7.4E-5
AMS07	Athabasca Valley	61	100%	2.6E-5	3.5E-5	4.3E-5	5.4E-5	8.2E-5	1.2E-4	1.9E-4	2.9E-4	4.4E-4	1E-4	8.1E-5
AMS14	Anzac	60	98%	1E-6	2.8E-5	3.5E-5	4.5E-5	6.1E-5	1E-4	1.9E-4	2.9E-4	4E-4	9.2E-5	8.3E-5
AMS21	Conklin	47	100%	2.1E-5	2.6E-5	3.4E-5	5.2E-5	7.7E-5	1.1E-4	2.8E-4	3.7E-4	3.9E-4	1.1E-4	9.9E-5
AMS22	Janvier	60	100%	1.5E-5	2.2E-5	2.6E-5	3.9E-5	6.2E-5	1.2E-4	3.2E-4	4.3E-4	5.9E-4	1.1E-4	1.3E-4
AMS13	Fort McKay South	61	100%	3.2E-5	4E-5	4.5E-5	6.7E-5	1E-4	2.1E-4	3.2E-4	4.2E-4	6.4E-4	1.6E-4	1.3E-4
AMS30	Ells River	60	100%	2.7E-5	3.3E-5	4.7E-5	6.6E-5	8.8E-5	1.5E-4	3E-4	3.5E-4	5.7E-4	1.3E-4	1E-4

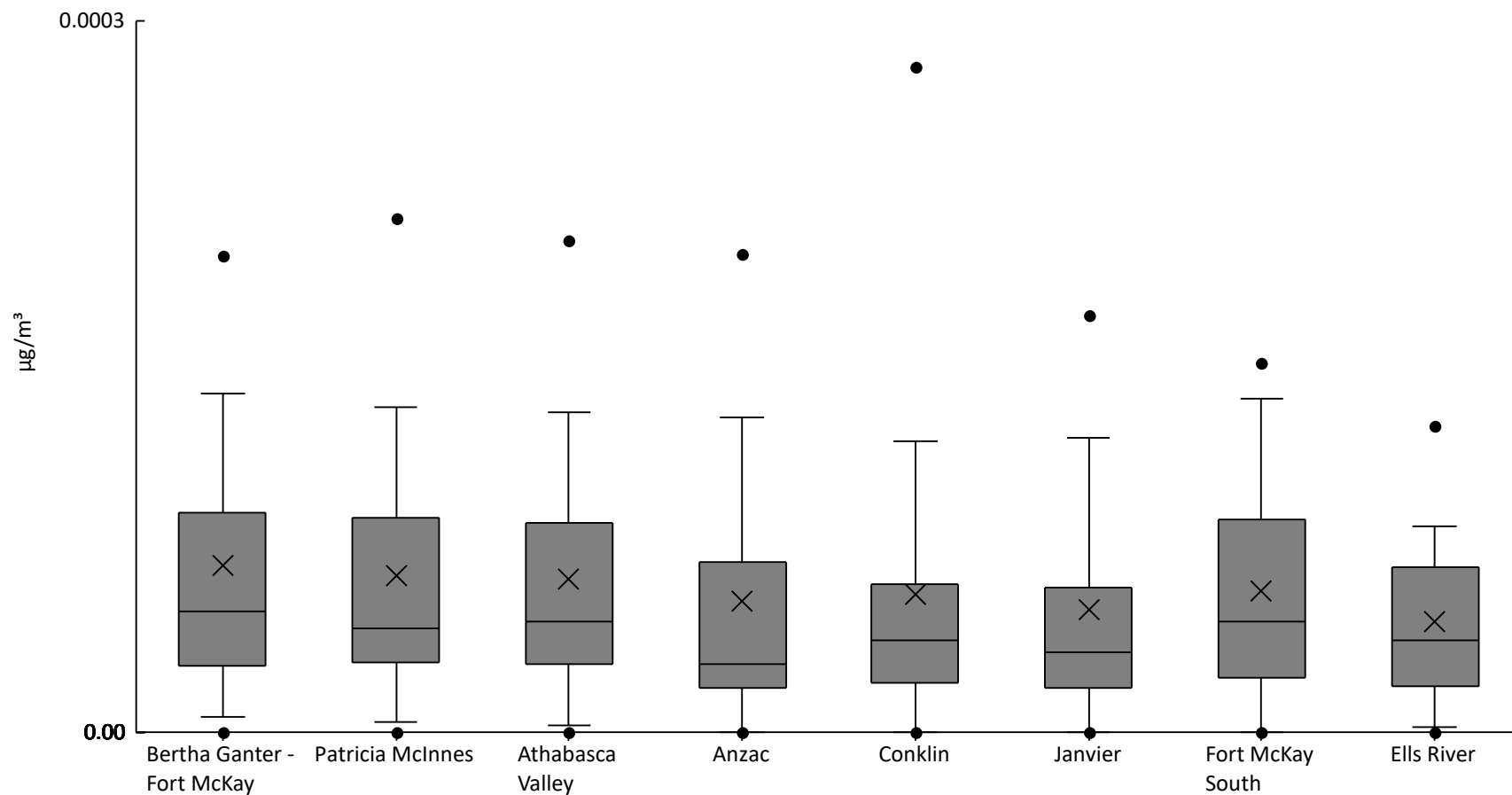






Particulate Matter <10µm Tested For Elements - Palladium (µg/m³) - 2021

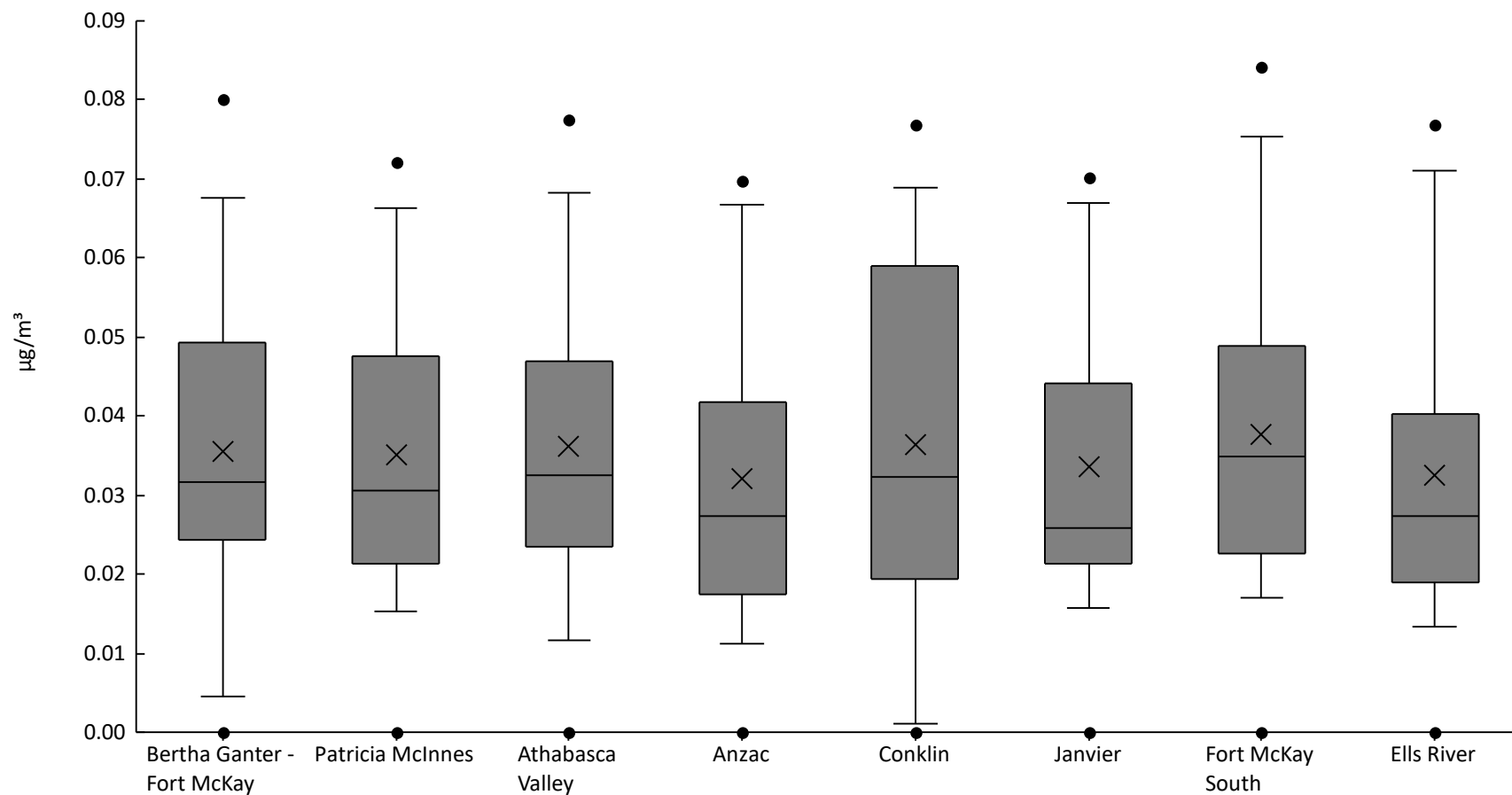
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	51%	0	0	6.2E-6	2.8E-5	5.1E-5	9.3E-5	1.4E-4	2E-4	3.8E-4	7E-5	7.2E-5
AMS06	Patricia McInnes	61	43%	0	0	4.2E-6	2.9E-5	4.4E-5	9E-5	1.4E-4	2.2E-4	3.3E-4	6.6E-5	6.9E-5
AMS07	Athabasca Valley	61	44%	0	0	3E-6	2.9E-5	4.7E-5	8.8E-5	1.4E-4	2.1E-4	3.1E-4	6.4E-5	6.2E-5
AMS14	Anzac	60	37%	0	0	0	1.9E-5	2.9E-5	7.2E-5	1.3E-4	2E-4	3.4E-4	5.5E-5	6.9E-5
AMS21	Conklin	47	32%	0	0	0	2.1E-5	3.9E-5	6.3E-5	1.2E-4	2.8E-4	3.9E-4	5.8E-5	8E-5
AMS22	Janvier	60	35%	0	0	0	1.9E-5	3.4E-5	6.1E-5	1.2E-4	1.8E-4	2.9E-4	5.2E-5	5.8E-5
AMS13	Fort McKay South	61	44%	0	0	0	2.3E-5	4.7E-5	9E-5	1.4E-4	1.6E-4	2.5E-4	5.9E-5	5.3E-5
AMS30	Ells River	60	40%	0	0	2.5E-6	2E-5	3.9E-5	7E-5	8.7E-5	1.3E-4	1.7E-4	4.7E-5	3.8E-5





Particulate Matter <10µm Tested For Elements - Phosphorus (µg/m³) - 2021

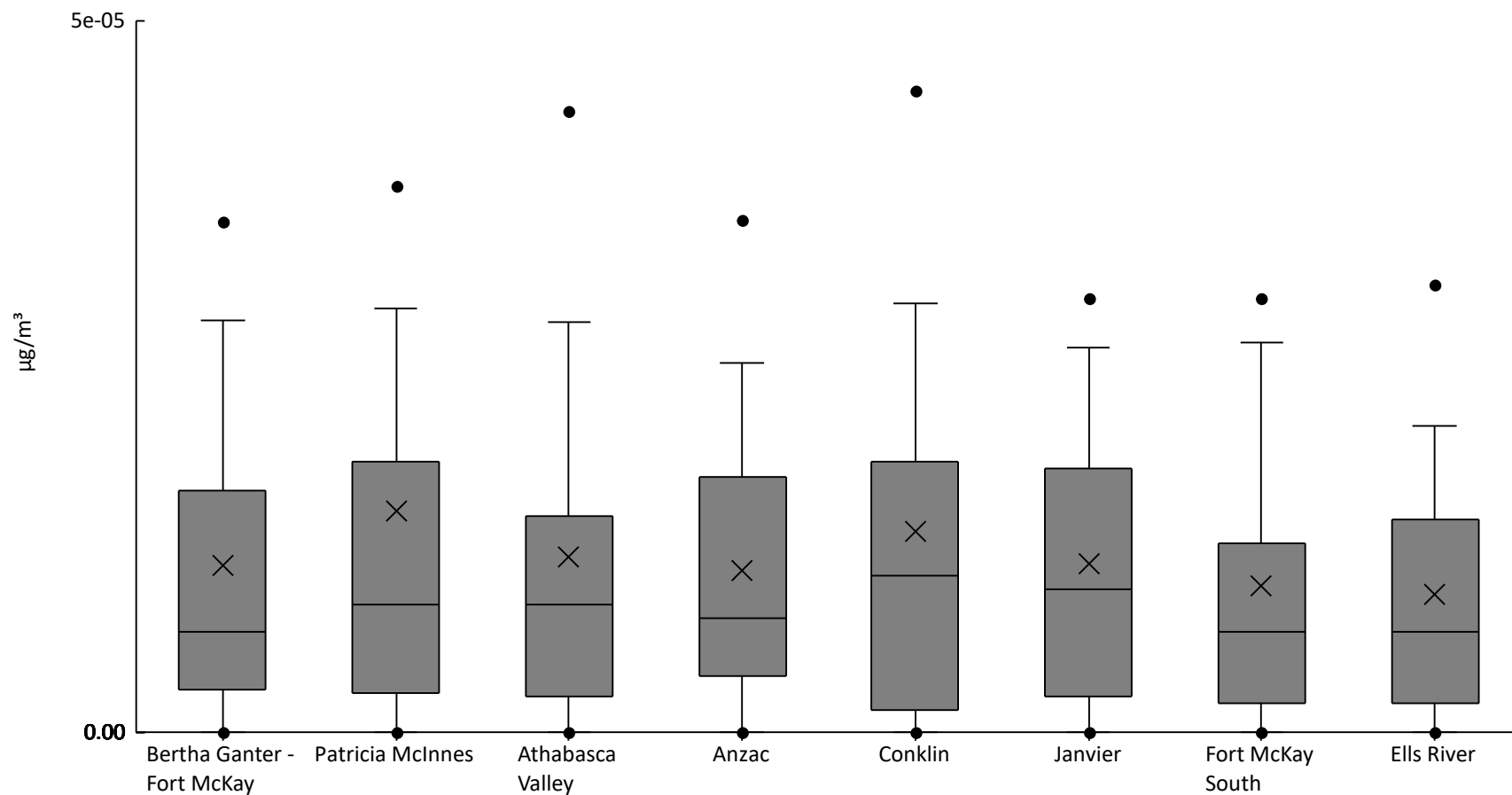
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	90%	0	0	4.5E-3	0.024	0.032	0.049	0.068	0.08	0.1	0.035	0.022
AMS06	Patricia McInnes	61	92%	0	0	0.015	0.021	0.031	0.047	0.066	0.072	0.082	0.035	0.02
AMS07	Athabasca Valley	61	90%	0	0	0.012	0.024	0.033	0.047	0.068	0.078	0.093	0.036	0.021
AMS14	Anzac	60	92%	0	0	0.011	0.018	0.027	0.042	0.067	0.07	0.08	0.032	0.021
AMS21	Conklin	47	89%	0	0	1.1E-3	0.019	0.032	0.059	0.069	0.077	0.081	0.036	0.023
AMS22	Janvier	60	93%	0	0	0.016	0.021	0.026	0.044	0.067	0.07	0.081	0.034	0.02
AMS13	Fort McKay South	61	92%	0	0	0.017	0.023	0.035	0.049	0.075	0.084	0.087	0.038	0.023
AMS30	Ells River	60	92%	0	0	0.013	0.019	0.027	0.04	0.071	0.077	0.091	0.032	0.022





Particulate Matter <10µm Tested For Elements - Platinum (µg/m³) - 2021

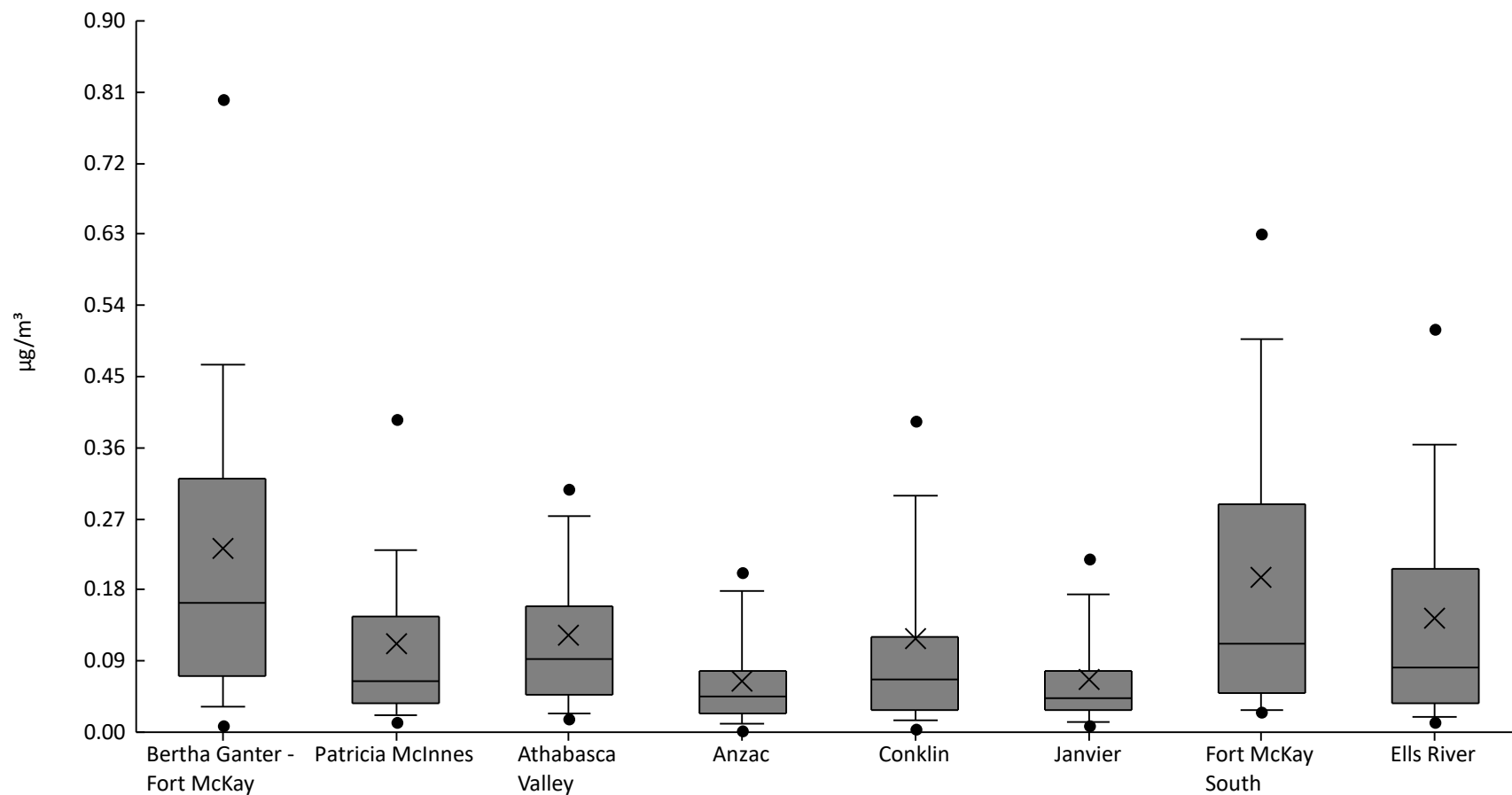
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	66%	0	0	0	3E-6	7E-6	1.7E-5	2.9E-5	3.6E-5	6.6E-5	1.2E-5	1.3E-5
AMS06	Patricia McInnes	61	70%	0	0	0	2.8E-6	9E-6	1.9E-5	3E-5	3.8E-5	2.3E-4	1.6E-5	3E-5
AMS07	Athabasca Valley	61	64%	0	0	0	2.5E-6	9E-6	1.5E-5	2.9E-5	4.4E-5	9E-5	1.2E-5	1.7E-5
AMS14	Anzac	60	70%	0	0	0	4E-6	8E-6	1.8E-5	2.6E-5	3.6E-5	4.2E-5	1.1E-5	1.1E-5
AMS21	Conklin	47	70%	0	0	0	1.5E-6	1.1E-5	1.9E-5	3E-5	4.5E-5	8.5E-5	1.4E-5	1.6E-5
AMS22	Janvier	60	67%	0	0	0	2.5E-6	1E-5	1.9E-5	2.7E-5	3.1E-5	5.3E-5	1.2E-5	1.1E-5
AMS13	Fort McKay South	61	62%	0	0	0	2E-6	7E-6	1.3E-5	2.7E-5	3E-5	5.6E-5	1E-5	1.1E-5
AMS30	Ells River	60	62%	0	0	0	2E-6	7E-6	1.5E-5	2.2E-5	3.2E-5	4.4E-5	9.6E-6	9.9E-6





Particulate Matter <10µm Tested For Elements - Potassium (µg/m³) - 2021

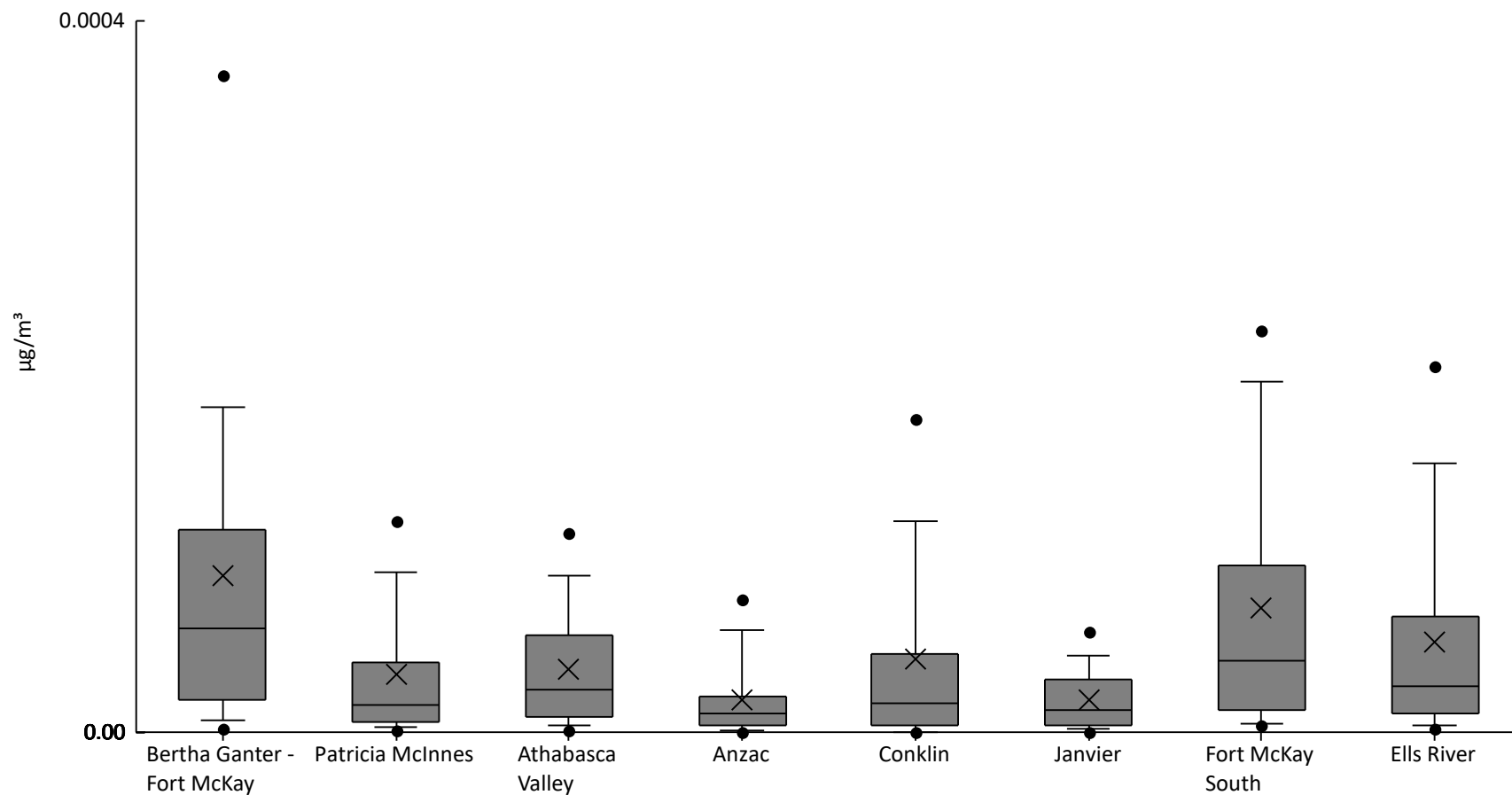
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	9.2E-3	0.031	0.072	0.16	0.32	0.47	0.8	0.99	0.23	0.23
AMS06	Patricia McInnes	61	97%	0	0.013	0.021	0.038	0.064	0.15	0.23	0.4	0.7	0.11	0.13
AMS07	Athabasca Valley	61	97%	0	0.016	0.024	0.048	0.092	0.16	0.27	0.31	0.57	0.12	0.11
AMS14	Anzac	60	95%	0	2.2E-3	0.011	0.024	0.045	0.078	0.18	0.2	0.28	0.065	0.064
AMS21	Conklin	47	98%	0	4.4E-3	0.016	0.028	0.067	0.12	0.3	0.39	0.91	0.12	0.16
AMS22	Janvier	60	97%	0	7.8E-3	0.014	0.027	0.043	0.078	0.17	0.22	0.31	0.068	0.067
AMS13	Fort McKay South	61	97%	0	0.026	0.029	0.05	0.11	0.29	0.5	0.63	0.91	0.19	0.2
AMS30	Ells River	60	100%	7.1E-4	0.013	0.02	0.037	0.081	0.21	0.36	0.51	0.7	0.14	0.16





Particulate Matter <10µm Tested For Elements - Praseodymium (µg/m³) - 2021

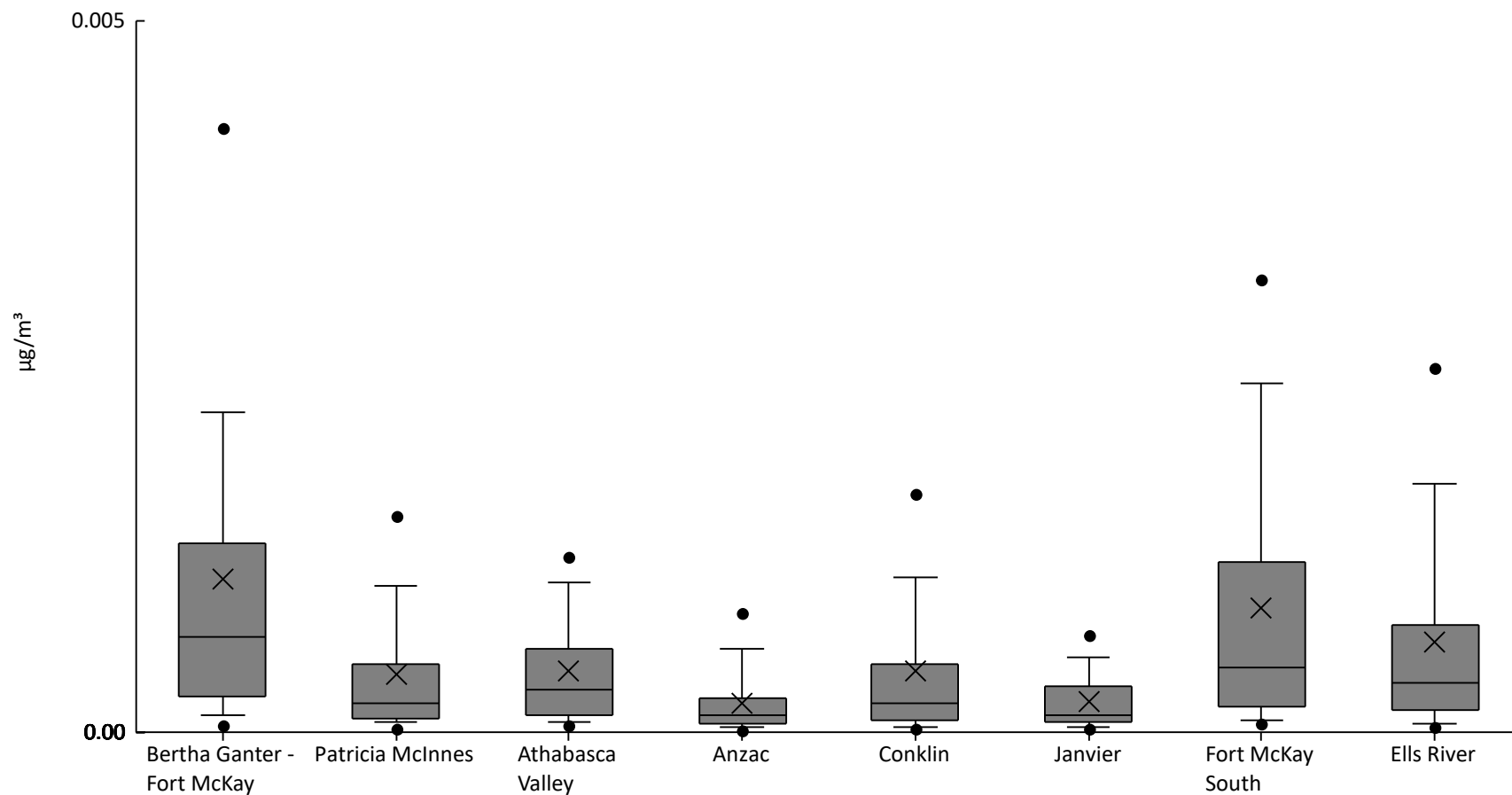
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	2E-6	6.6E-6	1.8E-5	5.8E-5	1.1E-4	1.8E-4	3.7E-4	4.6E-4	8.8E-5	1E-4
AMS06	Patricia McInnes	61	93%	0	1E-6	3E-6	5.8E-6	1.5E-5	4E-5	9E-5	1.2E-4	2E-4	3.2E-5	4.2E-5
AMS07	Athabasca Valley	61	95%	0	1.1E-6	3.6E-6	8.8E-6	2.4E-5	5.4E-5	8.8E-5	1.1E-4	1.7E-4	3.5E-5	3.6E-5
AMS14	Anzac	60	83%	0	0	5E-7	3.5E-6	1.1E-5	2.1E-5	5.7E-5	7.5E-5	9.4E-5	1.8E-5	2.2E-5
AMS21	Conklin	47	85%	0	0	2E-7	4.3E-6	1.6E-5	4.4E-5	1.2E-4	1.8E-4	3.6E-4	4.1E-5	6.9E-5
AMS22	Janvier	60	90%	0	0	1.5E-6	4E-6	1.3E-5	3E-5	4.3E-5	5.7E-5	8.3E-5	1.8E-5	1.8E-5
AMS13	Fort McKay South	61	100%	3E-6	3.6E-6	4.6E-6	1.2E-5	4E-5	9.4E-5	2E-4	2.3E-4	3.3E-4	7E-5	7.5E-5
AMS30	Ells River	60	98%	1E-6	2E-6	4E-6	1.1E-5	2.6E-5	6.5E-5	1.5E-4	2.1E-4	2.5E-4	5.1E-5	6.1E-5





Particulate Matter <10µm Tested For Elements - Rubidium (µg/m³) - 2021

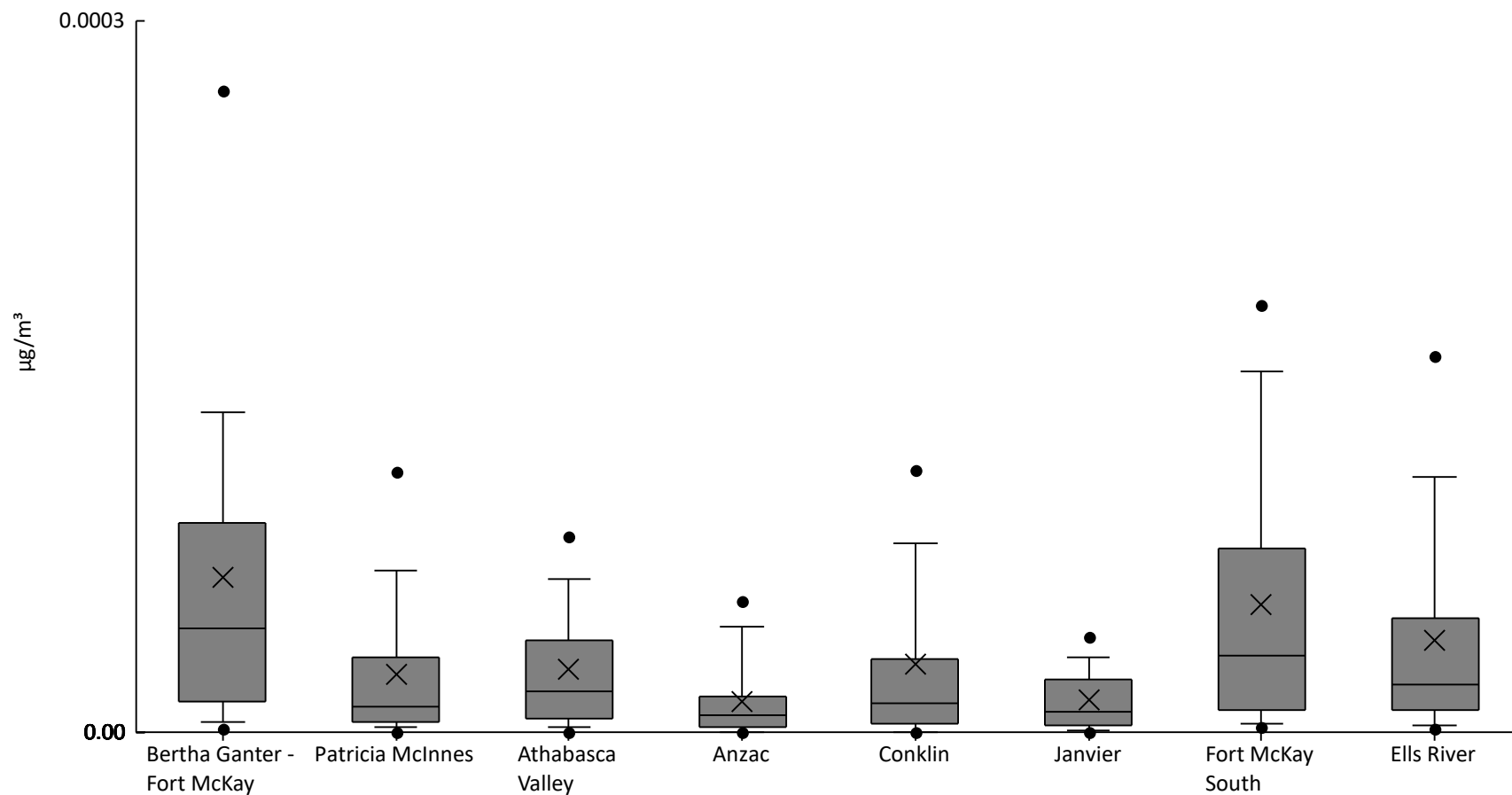
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	5.3E-5	1.2E-4	2.5E-4	6.7E-4	1.3E-3	2.3E-3	4.2E-3	5.4E-3	1.1E-3	1.2E-3
AMS06	Patricia McInnes	61	100%	1.3E-5	3E-5	6.7E-5	9.5E-5	2.1E-4	4.8E-4	1E-3	1.5E-3	3E-3	4E-4	5.4E-4
AMS07	Athabasca Valley	61	100%	2.2E-5	4.8E-5	6.9E-5	1.2E-4	3E-4	5.9E-4	1.1E-3	1.2E-3	2.3E-3	4.3E-4	4.3E-4
AMS14	Anzac	60	98%	0	1.6E-5	3.4E-5	6E-5	1.2E-4	2.4E-4	5.9E-4	8.4E-4	9.7E-4	2.1E-4	2.4E-4
AMS21	Conklin	47	100%	1E-5	2.2E-5	3.6E-5	8E-5	2.1E-4	4.8E-4	1.1E-3	1.7E-3	3.7E-3	4.3E-4	6.7E-4
AMS22	Janvier	60	98%	3E-6	1.8E-5	3.7E-5	7E-5	1.2E-4	3.2E-4	5.3E-4	6.9E-4	1E-3	2.1E-4	2.2E-4
AMS13	Fort McKay South	61	100%	3.6E-5	5.9E-5	8.2E-5	1.7E-4	4.5E-4	1.2E-3	2.4E-3	3.2E-3	3.7E-3	8.7E-4	9.5E-4
AMS30	Ells River	60	100%	1.4E-5	4.2E-5	6.4E-5	1.5E-4	3.5E-4	7.6E-4	1.7E-3	2.6E-3	3.1E-3	6.3E-4	7.4E-4





Particulate Matter <10µm Tested For Elements - Samarium (µg/m³) - 2021

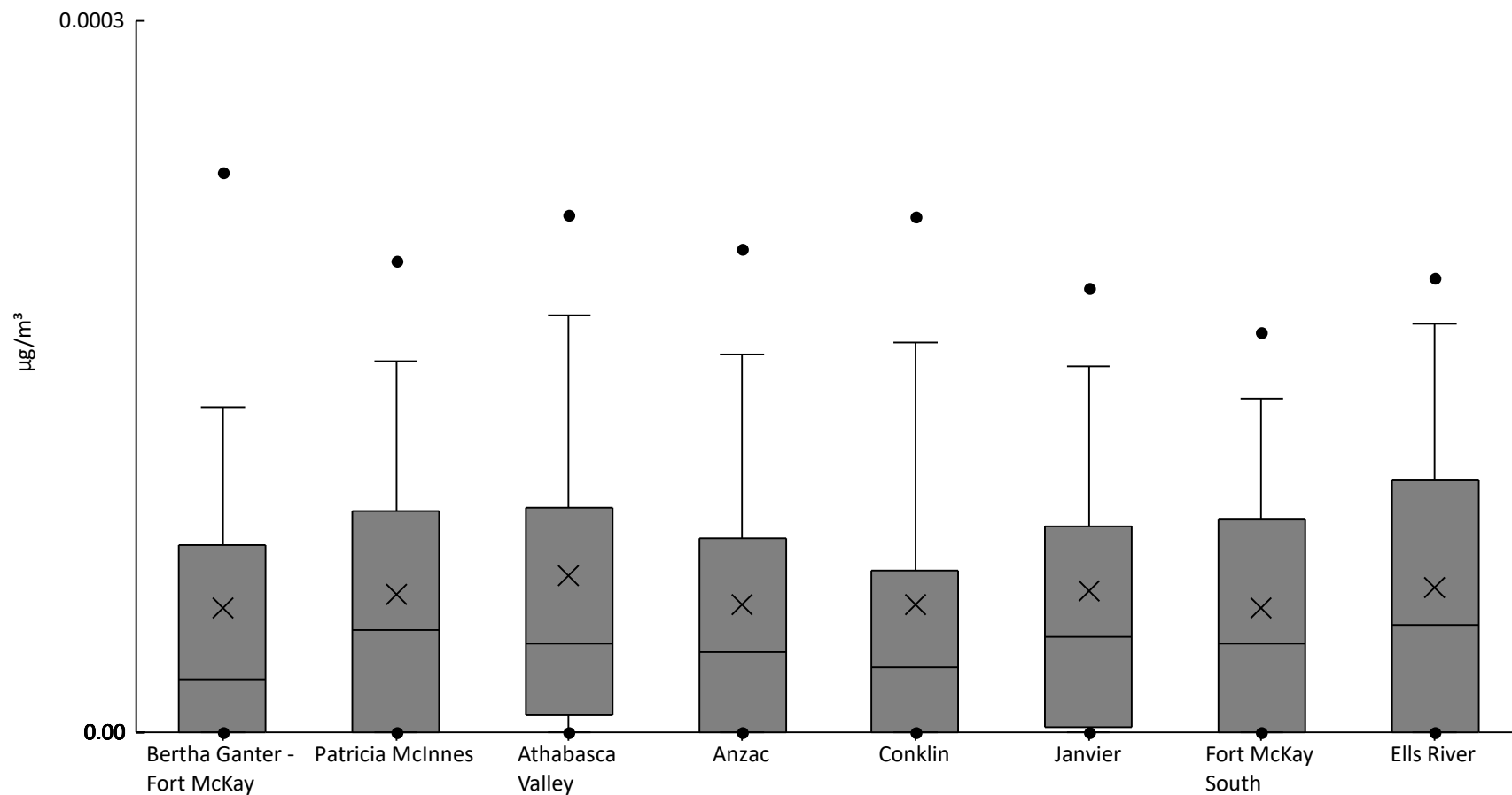
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	87%	0	1.6E-6	4E-6	1.3E-5	4.4E-5	8.8E-5	1.4E-4	2.7E-4	3E-4	6.6E-5	7.4E-5
AMS06	Patricia McInnes	61	67%	0	0	2E-6	4E-6	1.1E-5	3.1E-5	6.8E-5	1.1E-4	1.6E-4	2.5E-5	3.4E-5
AMS07	Athabasca Valley	61	82%	0	0	2E-6	6E-6	1.7E-5	3.9E-5	6.4E-5	8.2E-5	1.4E-4	2.6E-5	2.8E-5
AMS14	Anzac	60	60%	0	0	0	2E-6	7.5E-6	1.5E-5	4.5E-5	5.5E-5	6.1E-5	1.3E-5	1.6E-5
AMS21	Conklin	47	60%	0	0	0	3.3E-6	1.2E-5	3.1E-5	8E-5	1.1E-4	2.6E-4	2.8E-5	4.8E-5
AMS22	Janvier	60	67%	0	0	5E-7	3E-6	8.5E-6	2.3E-5	3.2E-5	4.1E-5	5.7E-5	1.4E-5	1.3E-5
AMS13	Fort McKay South	61	82%	1E-6	2E-6	3.6E-6	9.3E-6	3.2E-5	7.7E-5	1.5E-4	1.8E-4	2.4E-4	5.4E-5	5.7E-5
AMS30	Ells River	60	85%	0	1.5E-6	3E-6	9E-6	2E-5	4.8E-5	1.1E-4	1.6E-4	1.9E-4	3.9E-5	4.6E-5





Particulate Matter <10µm Tested For Elements - Selenium (µg/m<sup>3</sup>) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	10%	0	0	0	0	2.2E-5	7.9E-5	1.4E-4	2.4E-4	3.5E-4	5.3E-5	7.6E-5
AMS06	Patricia McInnes	61	13%	0	0	0	0	4.3E-5	9.3E-5	1.6E-4	2E-4	2.2E-4	5.8E-5	6.3E-5
AMS07	Athabasca Valley	61	20%	0	0	0	7E-6	3.7E-5	9.5E-5	1.8E-4	2.2E-4	3.2E-4	6.6E-5	7.8E-5
AMS14	Anzac	60	15%	0	0	0	0	3.4E-5	8.2E-5	1.6E-4	2E-4	2.3E-4	5.4E-5	6.4E-5
AMS21	Conklin	47	15%	0	0	0	0	2.7E-5	6.8E-5	1.6E-4	2.2E-4	3.3E-4	5.4E-5	7.4E-5
AMS22	Janvier	60	12%	0	0	0	2E-6	4E-5	8.7E-5	1.5E-4	1.9E-4	3.2E-4	5.9E-5	7.1E-5
AMS13	Fort McKay South	61	10%	0	0	0	0	3.7E-5	9E-5	1.4E-4	1.7E-4	2E-4	5.3E-5	5.6E-5
AMS30	Ells River	60	15%	0	0	0	0	4.6E-5	1.1E-4	1.7E-4	1.9E-4	2E-4	6.1E-5	6.2E-5

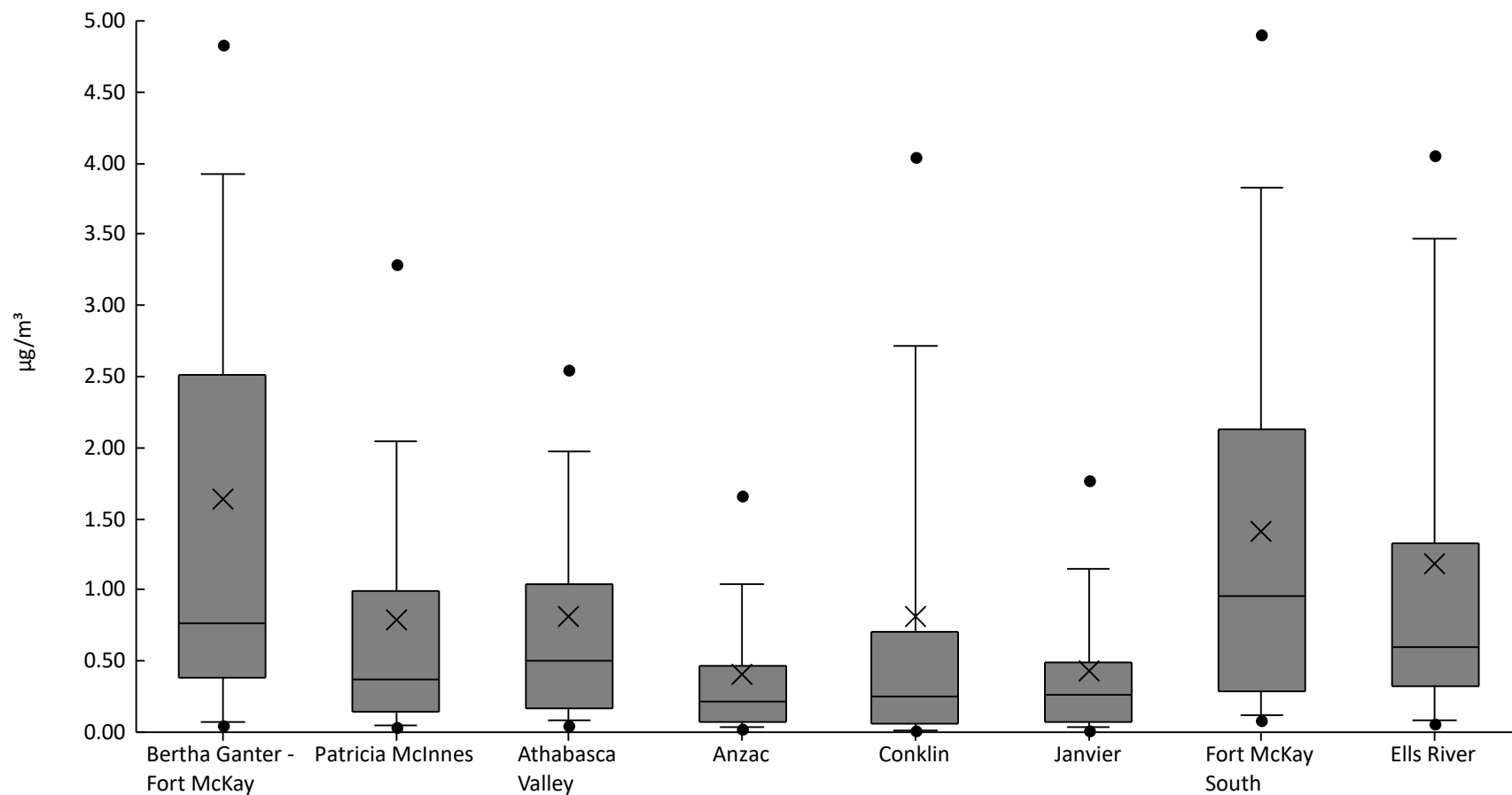






Particulate Matter <10µm Tested For Elements - Silicon (µg/m<sup>3</sup>) - 2021

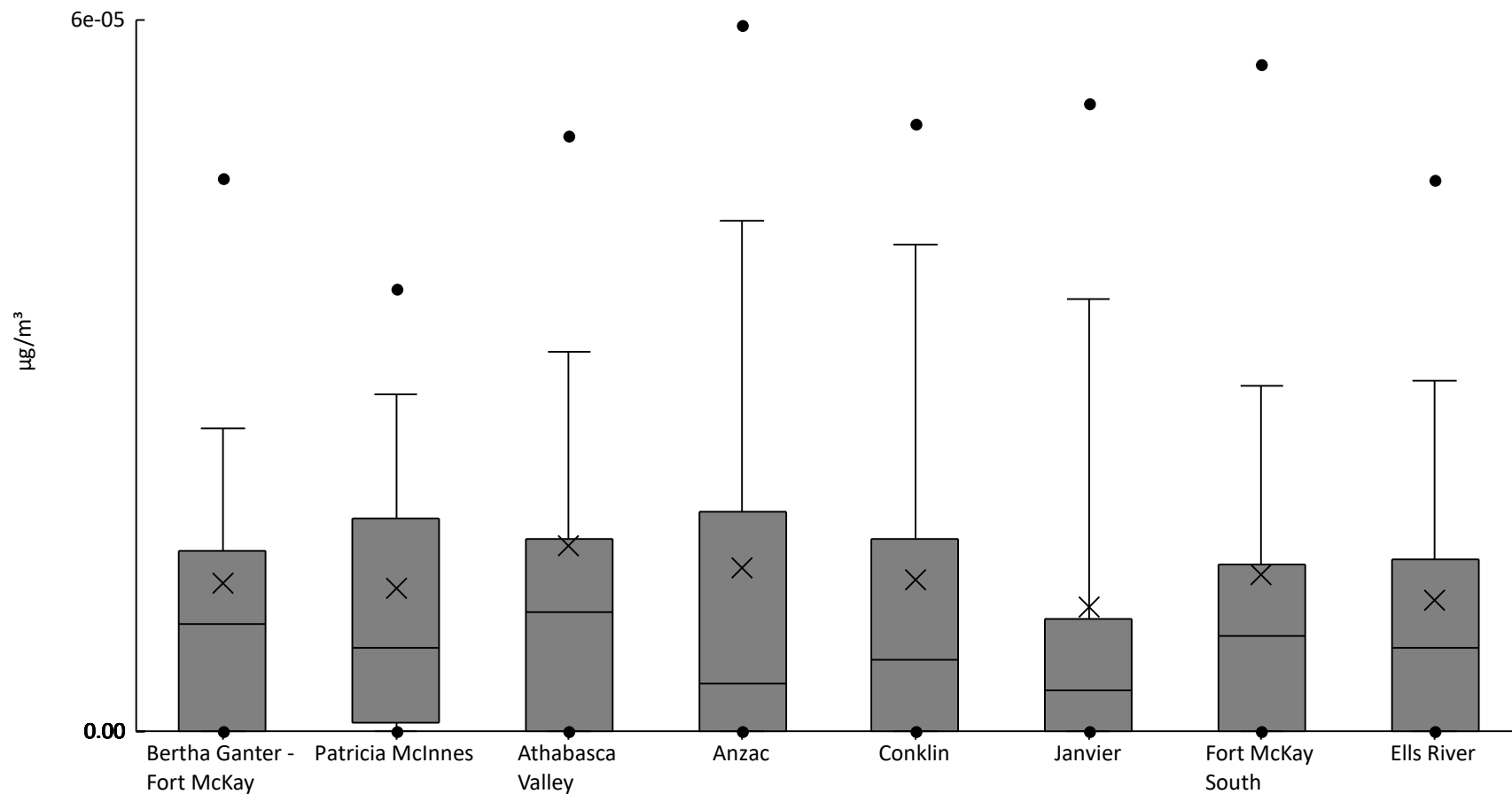
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	0.049	0.077	0.38	0.77	2.5	3.9	4.8	9	1.6	1.9
AMS06	Patricia McInnes	61	100%	0.024	0.034	0.052	0.15	0.38	0.99	2	3.3	4.6	0.79	1
AMS07	Athabasca Valley	61	97%	0	0.053	0.08	0.17	0.5	1	2	2.6	4.7	0.82	0.98
AMS14	Anzac	60	98%	0	0.024	0.032	0.075	0.21	0.46	1	1.7	2.6	0.4	0.53
AMS21	Conklin	47	91%	0	7.4E-3	0.013	0.062	0.25	0.7	2.7	4	6.6	0.81	1.4
AMS22	Janvier	60	98%	8.2E-3	0.017	0.037	0.073	0.26	0.49	1.1	1.8	2.4	0.43	0.54
AMS13	Fort McKay South	61	100%	0.061	0.085	0.12	0.29	0.95	2.1	3.8	4.9	5.4	1.4	1.5
AMS30	Ells River	60	100%	0.034	0.055	0.082	0.32	0.6	1.3	3.5	4.1	7.8	1.2	1.5





Particulate Matter <10µm Tested For Elements - Silver (µg/m³) - 2021

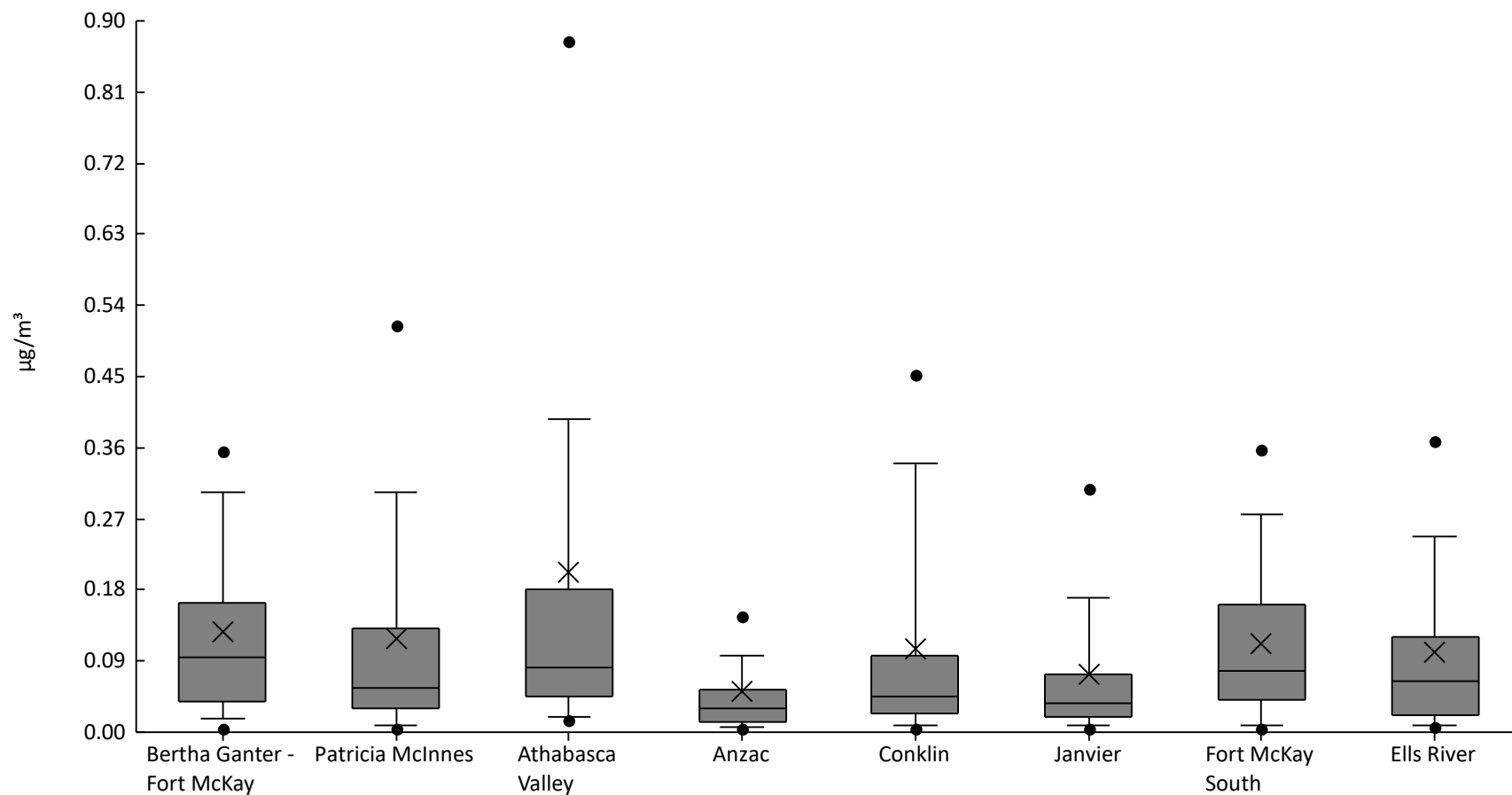
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	66%	0	0	0	0	9E-6	1.5E-5	2.6E-5	4.7E-5	1E-4	1.3E-5	1.7E-5
AMS06	Patricia McInnes	61	61%	0	0	0	7.5E-7	7E-6	1.8E-5	2.8E-5	3.7E-5	8.5E-5	1.2E-5	1.5E-5
AMS07	Athabasca Valley	61	62%	0	0	0	0	1E-5	1.6E-5	3.2E-5	5E-5	1.9E-4	1.6E-5	2.8E-5
AMS14	Anzac	60	48%	0	0	0	0	4E-6	1.9E-5	4.3E-5	6E-5	9.5E-5	1.4E-5	2.2E-5
AMS21	Conklin	47	51%	0	0	0	0	6E-6	1.6E-5	4.1E-5	5.1E-5	9.1E-5	1.3E-5	1.9E-5
AMS22	Janvier	60	47%	0	0	0	0	3.5E-6	9.5E-6	3.7E-5	5.3E-5	9.2E-5	1E-5	1.8E-5
AMS13	Fort McKay South	61	62%	0	0	0	0	8E-6	1.4E-5	2.9E-5	5.6E-5	1.2E-4	1.3E-5	2.1E-5
AMS30	Ells River	60	58%	0	0	0	0	7E-6	1.5E-5	3E-5	4.7E-5	6.1E-5	1.1E-5	1.5E-5





Particulate Matter <10µm Tested For Elements - Sodium (µg/m³) - 2021

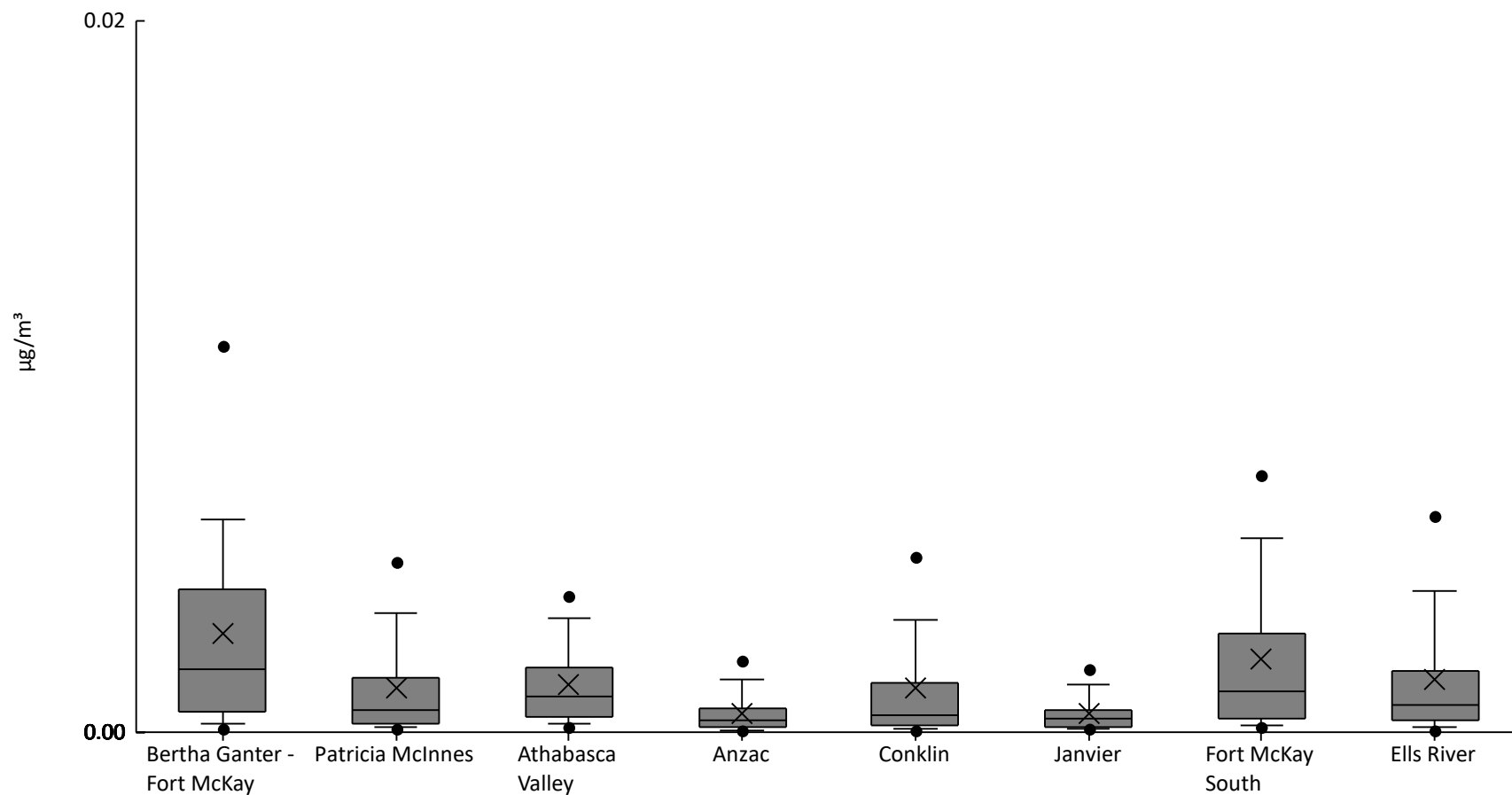
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	97%	0	5.1E-3	0.016	0.04	0.096	0.16	0.3	0.36	0.59	0.13	0.12
AMS06	Patricia McInnes	61	98%	0	4.9E-3	8.6E-3	0.03	0.056	0.13	0.3	0.52	1	0.12	0.18
AMS07	Athabasca Valley	61	100%	0.014	0.015	0.018	0.045	0.082	0.18	0.4	0.87	2.1	0.2	0.38
AMS14	Anzac	60	98%	0	3.5E-3	5.6E-3	0.013	0.03	0.054	0.096	0.15	0.55	0.052	0.084
AMS21	Conklin	47	100%	4.5E-3	4.6E-3	9.6E-3	0.023	0.045	0.096	0.34	0.45	0.81	0.11	0.16
AMS22	Janvier	60	100%	3.9E-3	5.3E-3	8.4E-3	0.02	0.036	0.074	0.17	0.31	0.74	0.074	0.13
AMS13	Fort McKay South	61	100%	1.4E-3	4.9E-3	9.1E-3	0.04	0.077	0.16	0.27	0.36	0.58	0.11	0.11
AMS30	Ells River	60	100%	2E-3	5.5E-3	9.7E-3	0.022	0.064	0.12	0.25	0.37	0.61	0.1	0.12





Particulate Matter <10µm Tested For Elements - Strontium (µg/m³) - 2021

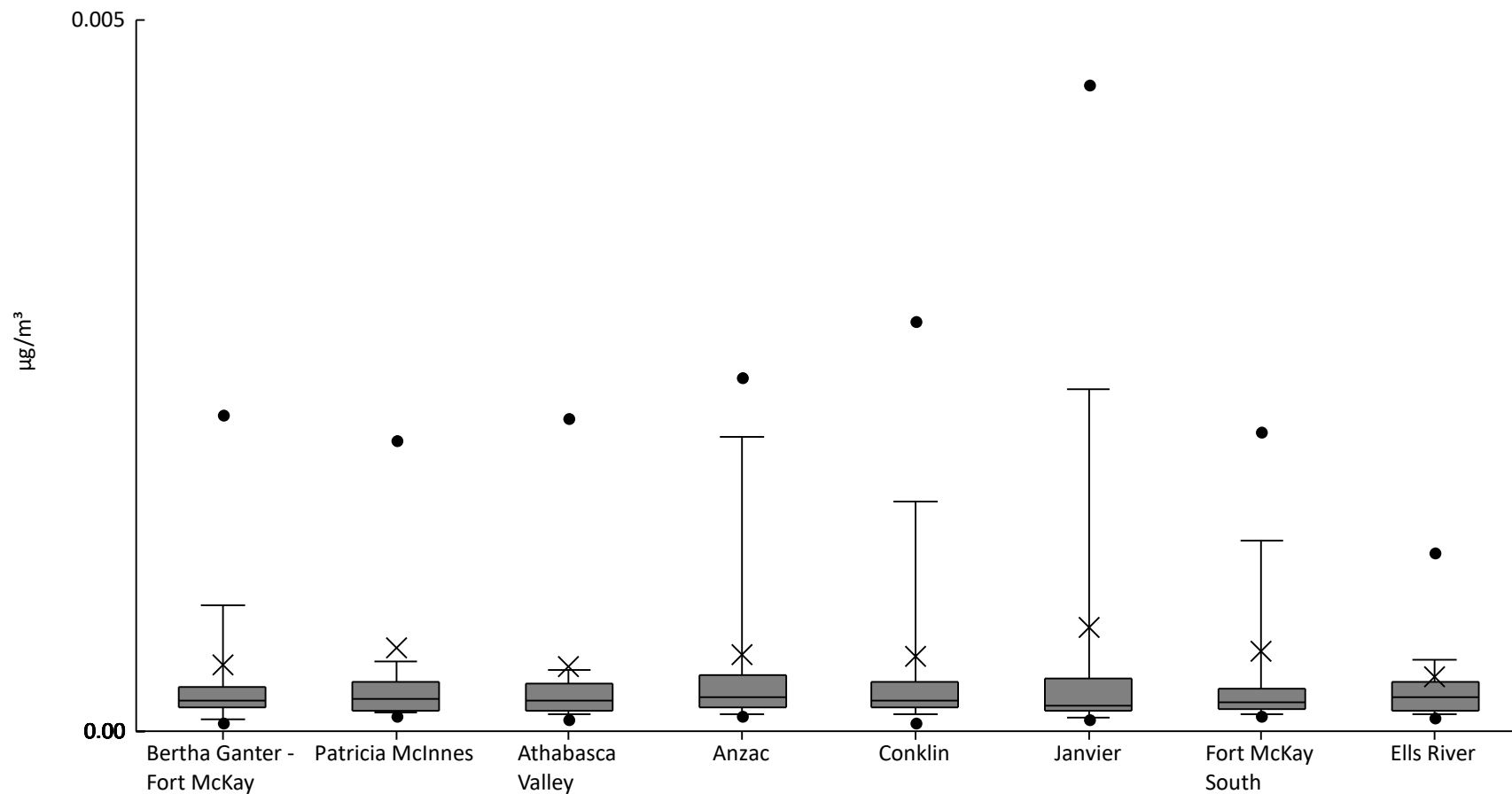
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	7.8E-5	2.5E-4	5.7E-4	1.7E-3	4E-3	6E-3	0.011	0.013	2.8E-3	3E-3
AMS06	Patricia McInnes	61	100%	1.5E-5	9.5E-5	1.4E-4	2.6E-4	6.3E-4	1.5E-3	3.3E-3	4.8E-3	7.4E-3	1.2E-3	1.5E-3
AMS07	Athabasca Valley	61	100%	8.8E-5	1.6E-4	2.3E-4	4.4E-4	9.9E-4	1.8E-3	3.2E-3	3.8E-3	5.8E-3	1.4E-3	1.2E-3
AMS14	Anzac	60	98%	0	4.8E-5	6.5E-5	1.2E-4	3.3E-4	6.5E-4	1.5E-3	2E-3	2.2E-3	5.2E-4	5.8E-4
AMS21	Conklin	47	100%	2.4E-5	5.6E-5	8.4E-5	1.7E-4	4.9E-4	1.4E-3	3.2E-3	4.9E-3	0.011	1.2E-3	2E-3
AMS22	Janvier	60	100%	4.6E-5	9E-5	9.6E-5	1.5E-4	3.6E-4	6E-4	1.3E-3	1.8E-3	2.2E-3	5.2E-4	5.2E-4
AMS13	Fort McKay South	61	100%	9.2E-5	1.3E-4	1.7E-4	3.9E-4	1.2E-3	2.8E-3	5.5E-3	7.2E-3	0.01	2E-3	2.2E-3
AMS30	Ells River	60	98%	7E-6	7E-5	1.4E-4	3.3E-4	7.6E-4	1.7E-3	4E-3	6.1E-3	7.1E-3	1.5E-3	1.7E-3





Particulate Matter <10µm Tested For Elements - Tantalum (µg/m³) - 2021

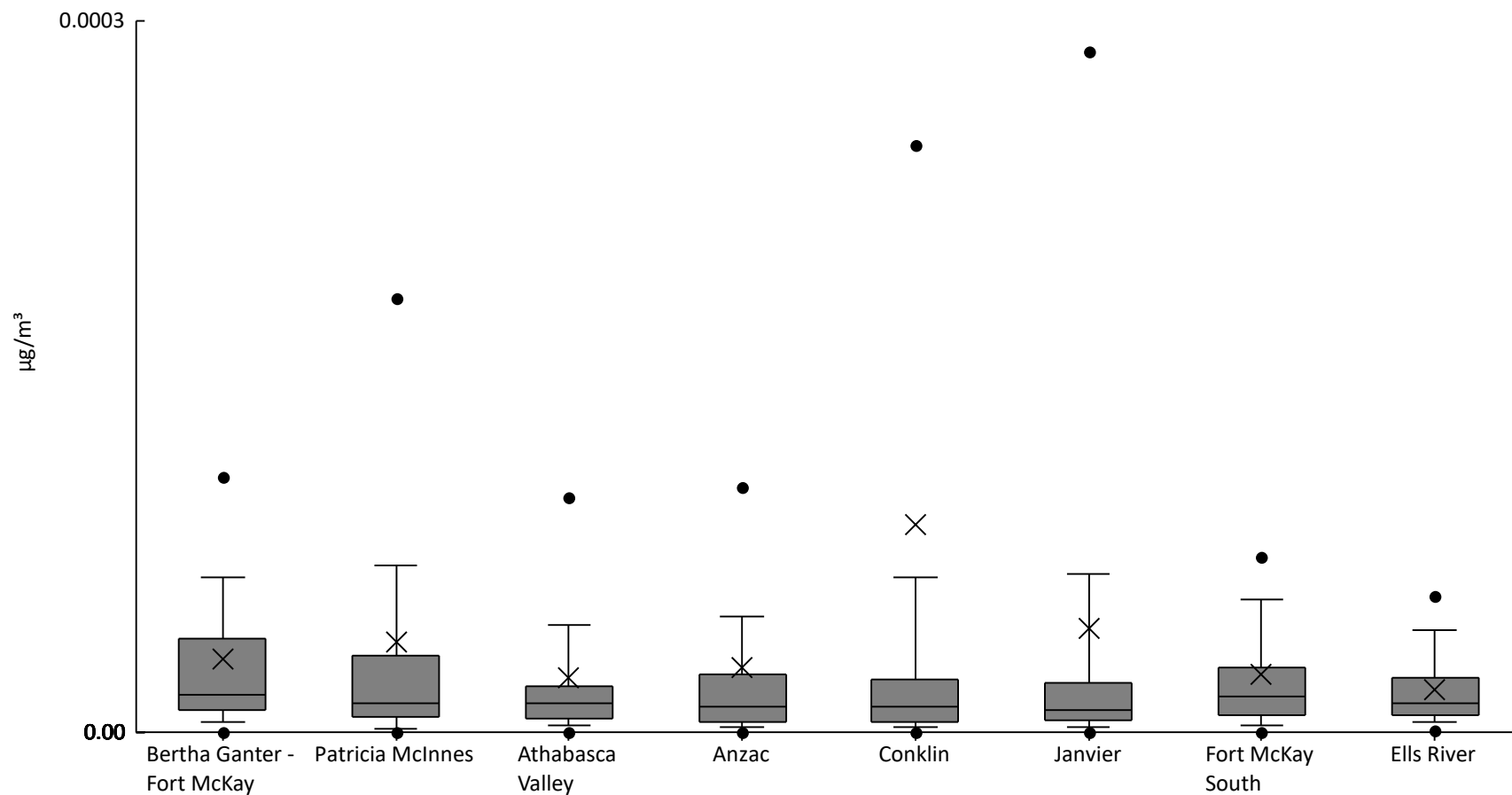
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	3.3E-5	5.4E-5	8.9E-5	1.7E-4	2.2E-4	3.1E-4	8.8E-4	2.2E-3	5.7E-3	4.6E-4	8.7E-4
AMS06	Patricia McInnes	61	100%	9.1E-5	1.1E-4	1.3E-4	1.5E-4	2.2E-4	3.5E-4	4.9E-4	2E-3	0.014	5.8E-4	1.8E-3
AMS07	Athabasca Valley	61	100%	6.5E-5	8.3E-5	1.2E-4	1.4E-4	2.2E-4	3.3E-4	4.3E-4	2.2E-3	7.8E-3	4.6E-4	1.1E-3
AMS14	Anzac	60	100%	4E-5	1.1E-4	1.2E-4	1.7E-4	2.5E-4	3.9E-4	2.1E-3	2.5E-3	4.7E-3	5.4E-4	8.7E-4
AMS21	Conklin	47	100%	4.8E-5	6E-5	1.2E-4	1.6E-4	2.1E-4	3.4E-4	1.6E-3	2.9E-3	4.5E-3	5.2E-4	8.8E-4
AMS22	Janvier	60	100%	1.9E-5	8.3E-5	9.9E-5	1.4E-4	1.8E-4	3.7E-4	2.4E-3	4.5E-3	7.7E-3	7.3E-4	1.5E-3
AMS13	Fort McKay South	61	100%	7.5E-5	1.1E-4	1.2E-4	1.6E-4	2.1E-4	3E-4	1.3E-3	2.1E-3	7.2E-3	5.7E-4	1.3E-3
AMS30	Ells River	60	100%	6.8E-5	9.2E-5	1.2E-4	1.5E-4	2.4E-4	3.4E-4	5E-4	1.3E-3	4.5E-3	3.8E-4	6.3E-4





Particulate Matter <10µm Tested For Elements - Thallium (µg/m³) - 2021

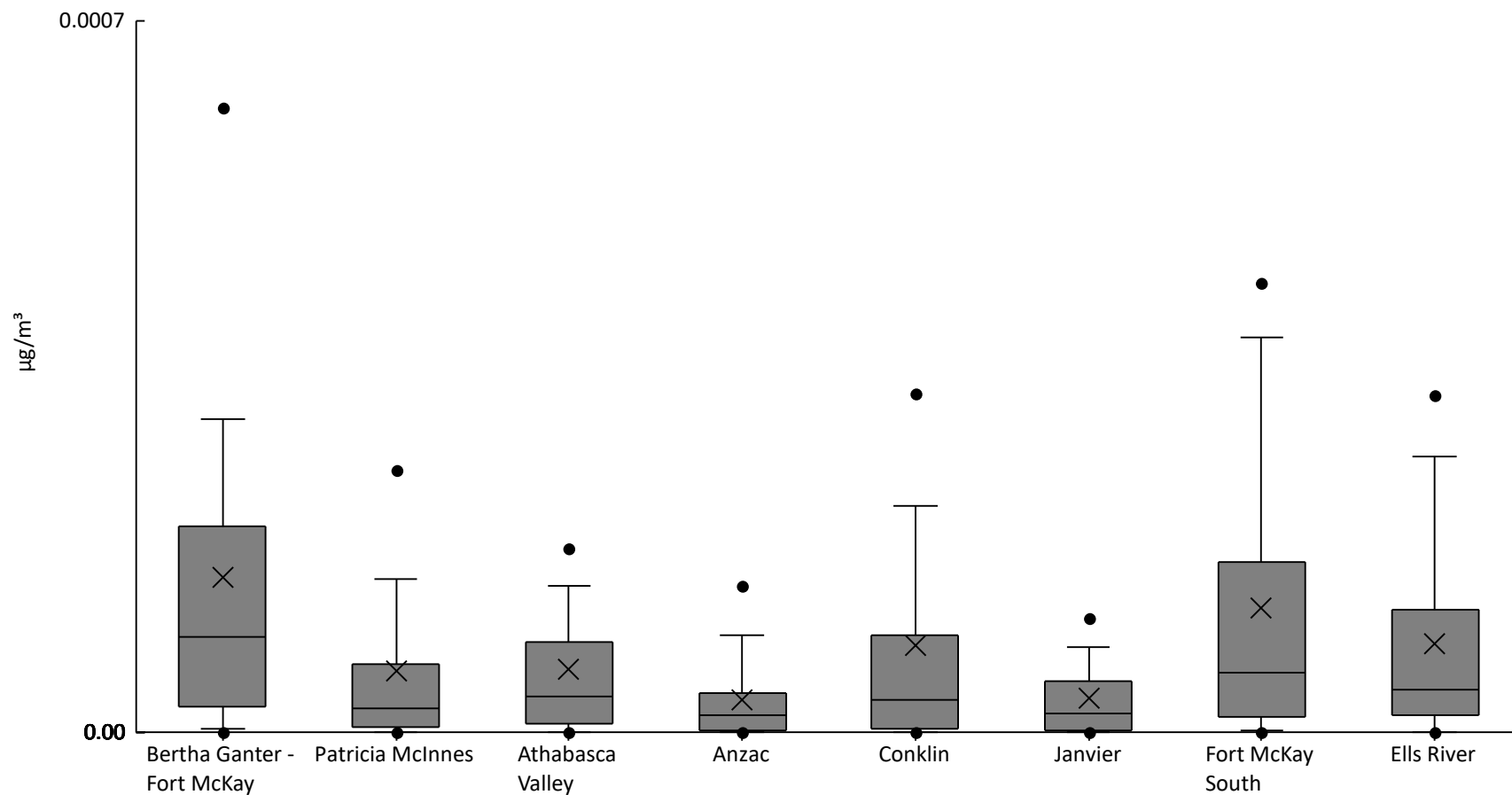
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	90%	0	0	4.6E-6	9E-6	1.6E-5	3.9E-5	6.5E-5	1.1E-4	2.3E-4	3.1E-5	4.1E-5
AMS06	Patricia McInnes	61	85%	0	0	1.6E-6	6.8E-6	1.2E-5	3.2E-5	7E-5	1.8E-4	6.9E-4	3.8E-5	9.6E-5
AMS07	Athabasca Valley	61	84%	0	0	3E-6	6E-6	1.2E-5	2E-5	4.5E-5	9.9E-5	2.8E-4	2.3E-5	4.2E-5
AMS14	Anzac	60	73%	0	0	2.5E-6	4E-6	1.1E-5	2.5E-5	4.9E-5	1E-4	2.9E-4	2.7E-5	5.1E-5
AMS21	Conklin	47	74%	0	0	2.2E-6	4.3E-6	1.1E-5	2.2E-5	6.5E-5	2.5E-4	2.9E-3	8.7E-5	4.2E-4
AMS22	Janvier	60	78%	0	0	2E-6	5E-6	9E-6	2.1E-5	6.7E-5	2.9E-4	7.3E-4	4.4E-5	1.2E-4
AMS13	Fort McKay South	61	89%	0	0	3E-6	7E-6	1.5E-5	2.8E-5	5.6E-5	7.4E-5	2.6E-4	2.4E-5	3.6E-5
AMS30	Ells River	60	88%	0	1E-6	4E-6	7E-6	1.3E-5	2.3E-5	4.3E-5	5.8E-5	9.7E-5	1.8E-5	1.8E-5





Particulate Matter <10µm Tested For Elements - Thorium (µg/m³) - 2021

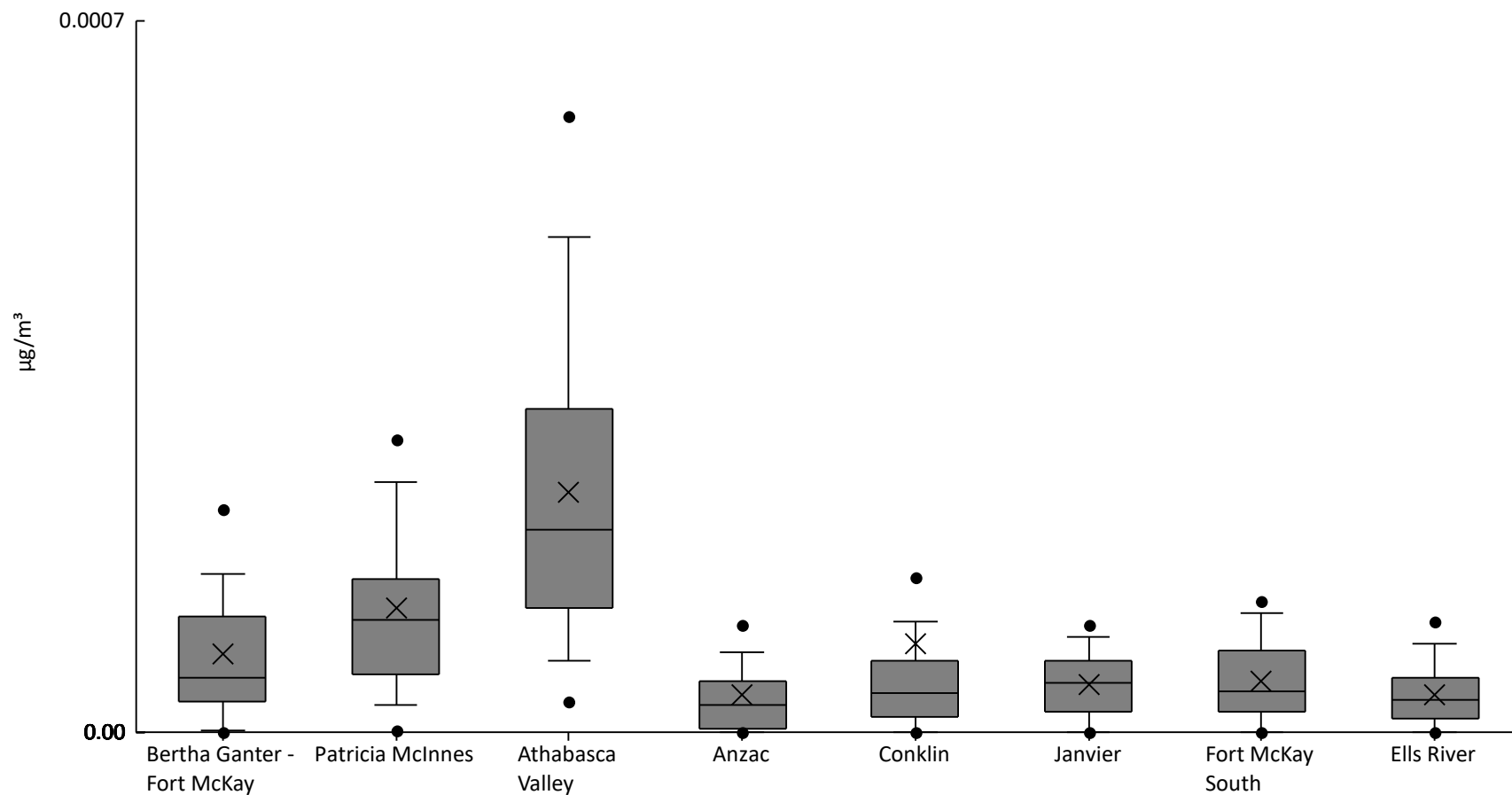
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	90%	0	0	2.6E-6	2.5E-5	9.4E-5	2E-4	3.1E-4	6.1E-4	1.1E-3	1.5E-4	2.1E-4
AMS06	Patricia McInnes	61	82%	0	0	0	5.8E-6	2.4E-5	6.6E-5	1.5E-4	2.6E-4	5.7E-4	6E-5	9.5E-5
AMS07	Athabasca Valley	61	84%	0	0	0	9E-6	3.5E-5	8.8E-5	1.4E-4	1.8E-4	5.8E-4	6.1E-5	8.6E-5
AMS14	Anzac	60	75%	0	0	0	2.5E-6	1.7E-5	3.9E-5	9.6E-5	1.4E-4	1.8E-4	3.2E-5	4.3E-5
AMS21	Conklin	47	77%	0	0	0	3.3E-6	3.1E-5	9.6E-5	2.2E-4	3.3E-4	1.1E-3	8.5E-5	1.7E-4
AMS22	Janvier	60	75%	0	0	0	2.5E-6	1.9E-5	5E-5	8.3E-5	1.1E-4	2E-4	3.4E-5	4.1E-5
AMS13	Fort McKay South	61	87%	0	0	1.2E-6	1.5E-5	5.9E-5	1.7E-4	3.9E-4	4.4E-4	5.7E-4	1.2E-4	1.4E-4
AMS30	Ells River	60	88%	0	0	5E-7	1.7E-5	4.2E-5	1.2E-4	2.7E-4	3.3E-4	4.4E-4	8.8E-5	1.1E-4





Particulate Matter <10µm Tested For Elements - Tin (µg/m³) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	89%	0	0	1.2E-6	3E-5	5.3E-5	1.1E-4	1.6E-4	2.2E-4	4.3E-4	7.8E-5	7.5E-5
AMS06	Patricia McInnes	61	93%	0	1.7E-6	2.6E-5	5.7E-5	1.1E-4	1.5E-4	2.5E-4	2.9E-4	4.3E-4	1.2E-4	8.8E-5
AMS07	Athabasca Valley	61	97%	0	3E-5	7E-5	1.2E-4	2E-4	3.2E-4	4.9E-4	6.1E-4	7.6E-4	2.4E-4	1.7E-4
AMS14	Anzac	60	70%	0	0	0	3E-6	2.8E-5	5E-5	7.9E-5	1.1E-4	2.5E-4	3.6E-5	4.2E-5
AMS21	Conklin	47	77%	0	0	0	1.5E-5	3.9E-5	7E-5	1.1E-4	1.5E-4	2.1E-3	8.7E-5	3E-4
AMS22	Janvier	60	80%	0	0	0	2E-5	4.9E-5	7E-5	9.4E-5	1.1E-4	1.2E-4	4.7E-5	3.4E-5
AMS13	Fort McKay South	61	84%	0	0	0	2E-5	4E-5	8.1E-5	1.2E-4	1.3E-4	1.8E-4	5E-5	4.2E-5
AMS30	Ells River	60	78%	0	0	0	1.3E-5	3.2E-5	5.3E-5	8.7E-5	1.1E-4	1.5E-4	3.7E-5	3.5E-5

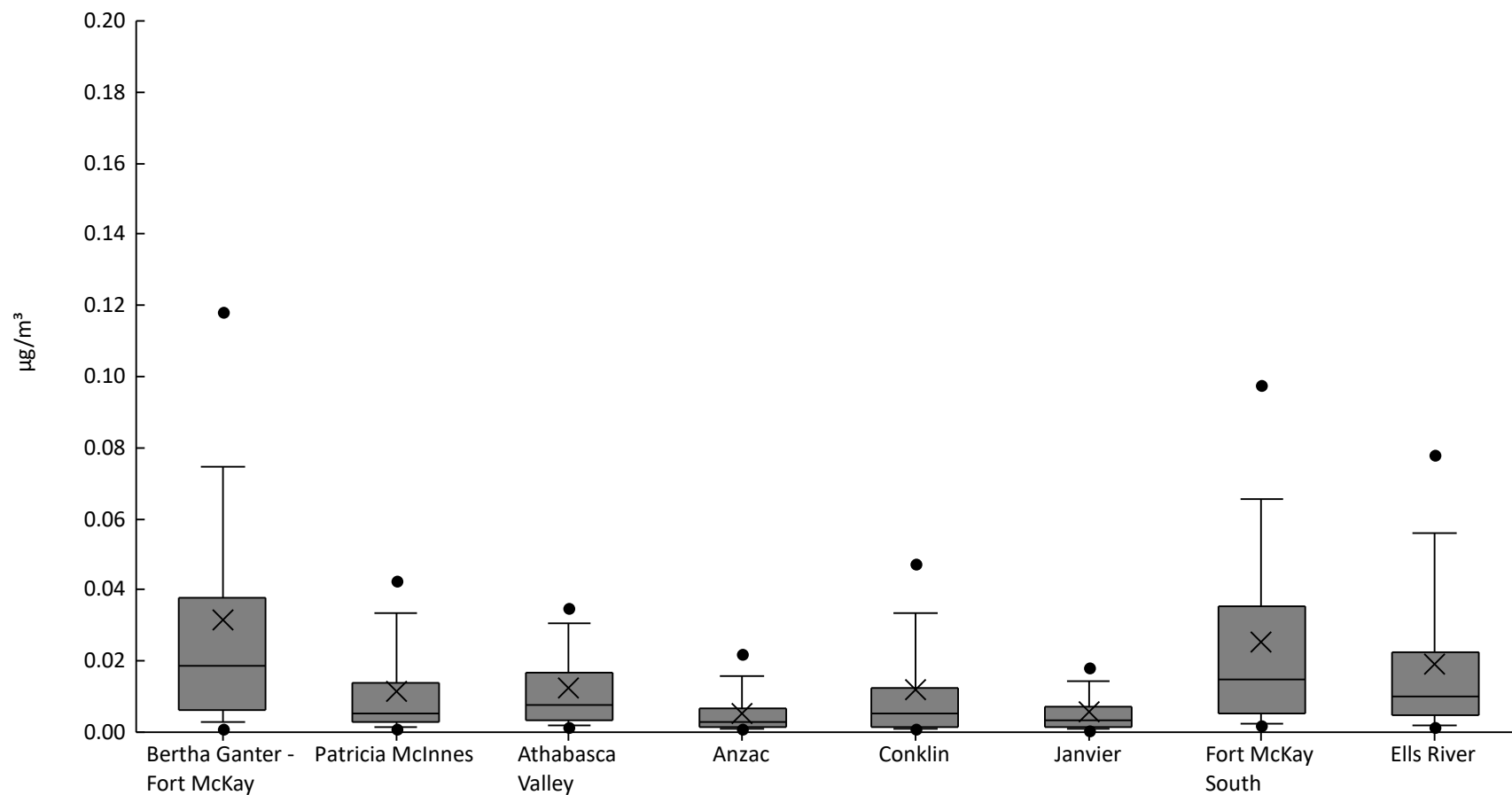






Particulate Matter <10µm Tested For Elements - Titanium (µg/m³) - 2021

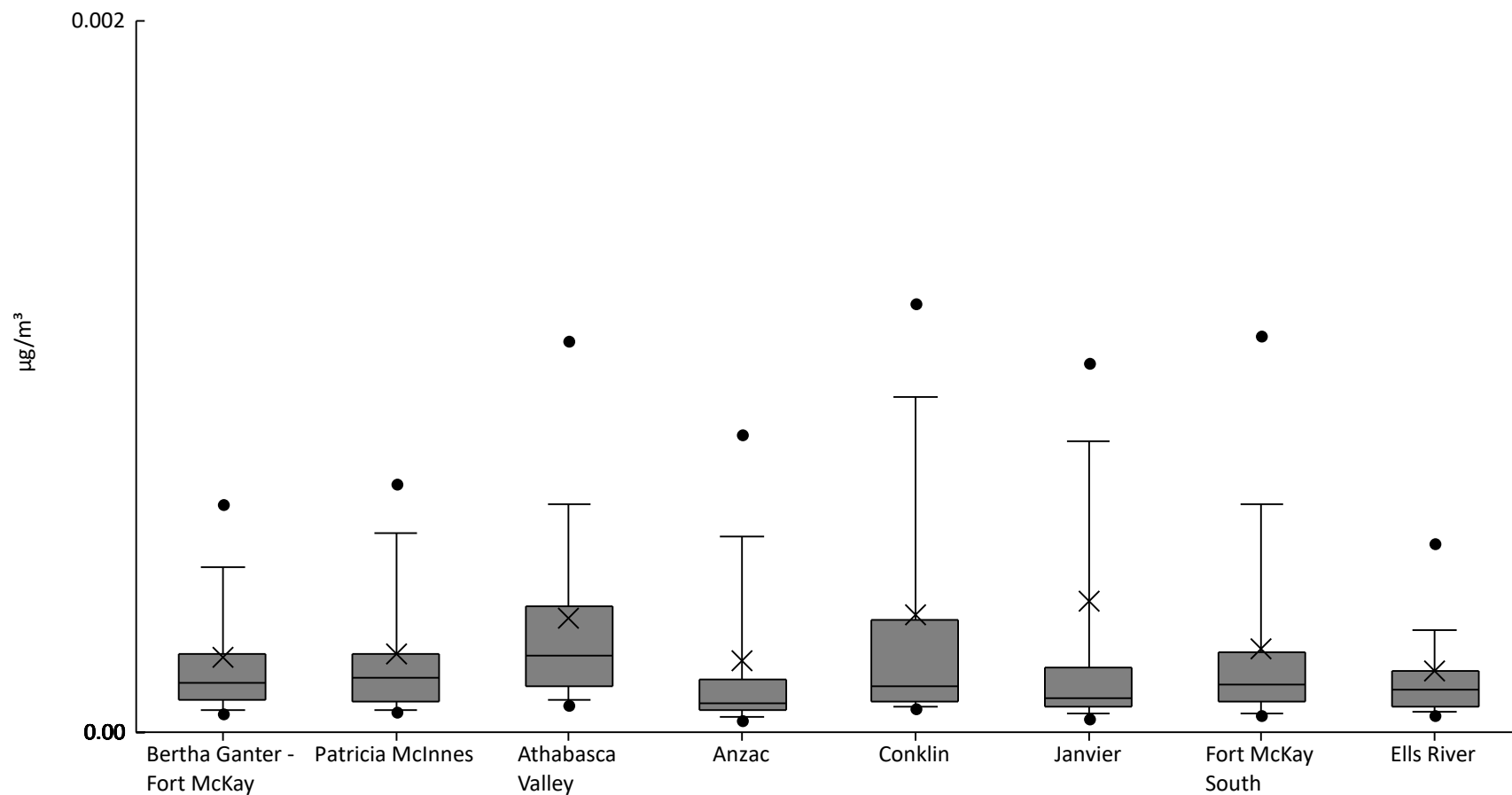
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	2.6E-5	1.1E-3	2.7E-3	6.3E-3	0.019	0.038	0.075	0.12	0.21	0.032	0.038
AMS06	Patricia McInnes	61	100%	6.3E-4	1.2E-3	1.5E-3	2.7E-3	5.1E-3	0.014	0.033	0.042	0.076	0.011	0.015
AMS07	Athabasca Valley	61	100%	1.2E-3	1.5E-3	2E-3	3.3E-3	7.7E-3	0.017	0.031	0.035	0.064	0.012	0.012
AMS14	Anzac	60	98%	1.2E-5	7.7E-4	8.4E-4	1.2E-3	2.8E-3	6.5E-3	0.016	0.022	0.027	5.4E-3	6.5E-3
AMS21	Conklin	47	100%	5.6E-4	7.3E-4	9.9E-4	1.7E-3	5.1E-3	0.013	0.034	0.047	0.11	0.012	0.02
AMS22	Janvier	60	100%	6.7E-4	7.1E-4	8.8E-4	1.6E-3	3.2E-3	7.1E-3	0.014	0.018	0.027	5.6E-3	5.9E-3
AMS13	Fort McKay South	61	100%	1E-3	1.8E-3	2.3E-3	5.1E-3	0.015	0.035	0.066	0.098	0.12	0.025	0.028
AMS30	Ells River	60	100%	6E-4	1.3E-3	1.8E-3	4.6E-3	9.9E-3	0.022	0.056	0.078	0.12	0.019	0.024





Particulate Matter <10µm Tested For Elements - Tungsten (µg/m³) - 2021

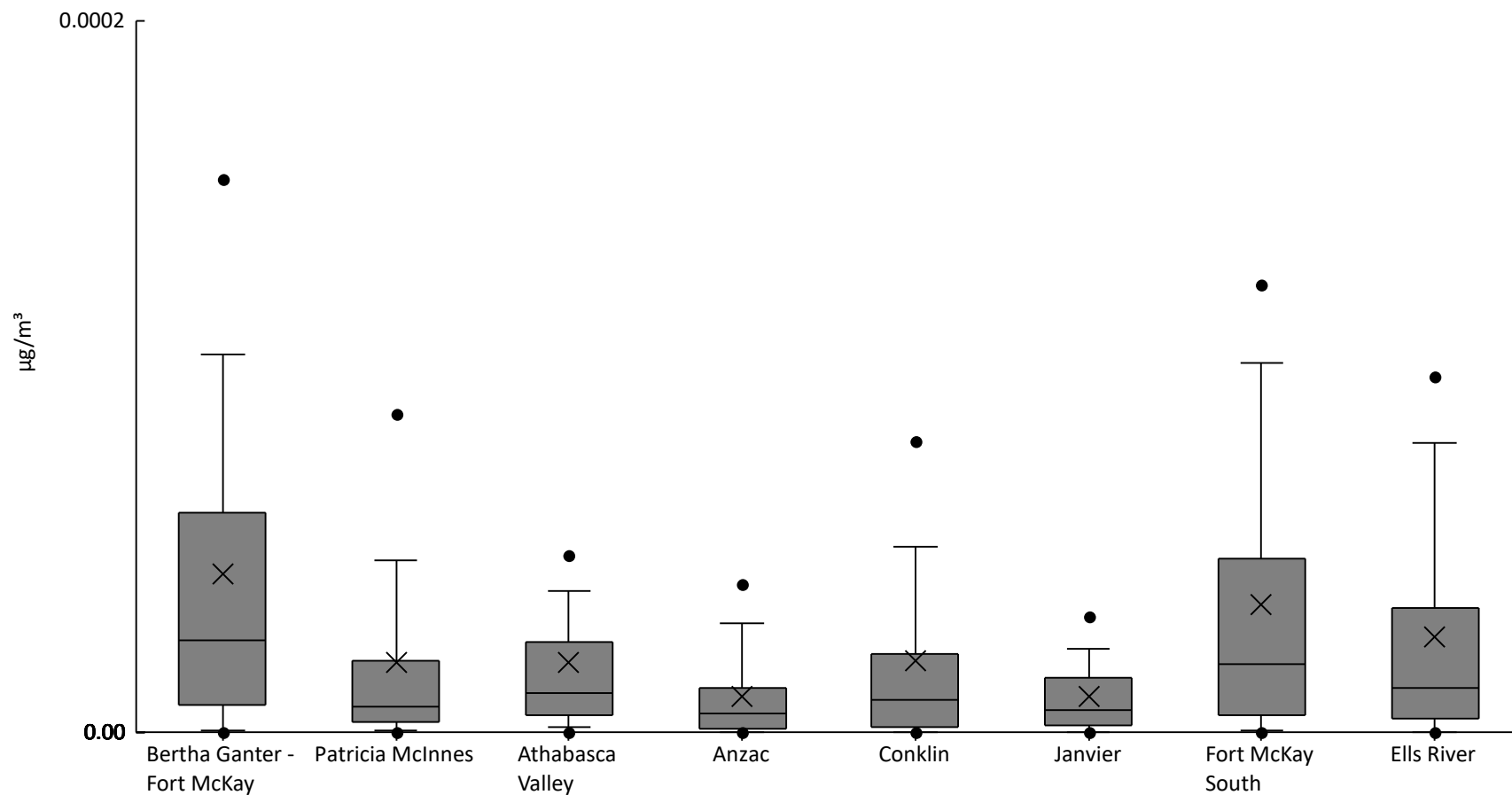
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	1.2E-5	5.2E-5	6.3E-5	9.3E-5	1.4E-4	2.2E-4	4.6E-4	6.4E-4	1.2E-3	2.1E-4	2.1E-4
AMS06	Patricia McInnes	61	100%	5.1E-5	5.5E-5	6.4E-5	8.4E-5	1.6E-4	2.2E-4	5.6E-4	7E-4	1.2E-3	2.2E-4	2.1E-4
AMS07	Athabasca Valley	61	100%	6.1E-5	7.8E-5	9.3E-5	1.3E-4	2.2E-4	3.6E-4	6.4E-4	1.1E-3	1.6E-3	3.2E-4	3.2E-4
AMS14	Anzac	60	100%	1.4E-5	3.4E-5	4.5E-5	6E-5	8.1E-5	1.5E-4	5.5E-4	8.4E-4	2.2E-3	2E-4	3.7E-4
AMS21	Conklin	47	100%	3.7E-5	6.7E-5	7E-5	8.9E-5	1.3E-4	3.2E-4	9.4E-4	1.2E-3	2.3E-3	3.3E-4	4.4E-4
AMS22	Janvier	60	100%	2.3E-5	3.7E-5	5.1E-5	7.1E-5	9.6E-5	1.8E-4	8.2E-4	1E-3	9.1E-3	3.7E-4	1.2E-3
AMS13	Fort McKay South	61	100%	3.7E-5	4.8E-5	5.5E-5	8.7E-5	1.3E-4	2.3E-4	6.4E-4	1.1E-3	1.3E-3	2.4E-4	3E-4
AMS30	Ells River	60	100%	3.7E-5	4.8E-5	5.9E-5	7.2E-5	1.2E-4	1.7E-4	2.9E-4	5.3E-4	1.6E-3	1.7E-4	2.3E-4





Particulate Matter <10µm Tested For Elements - Uranium (µg/m³) - 2021

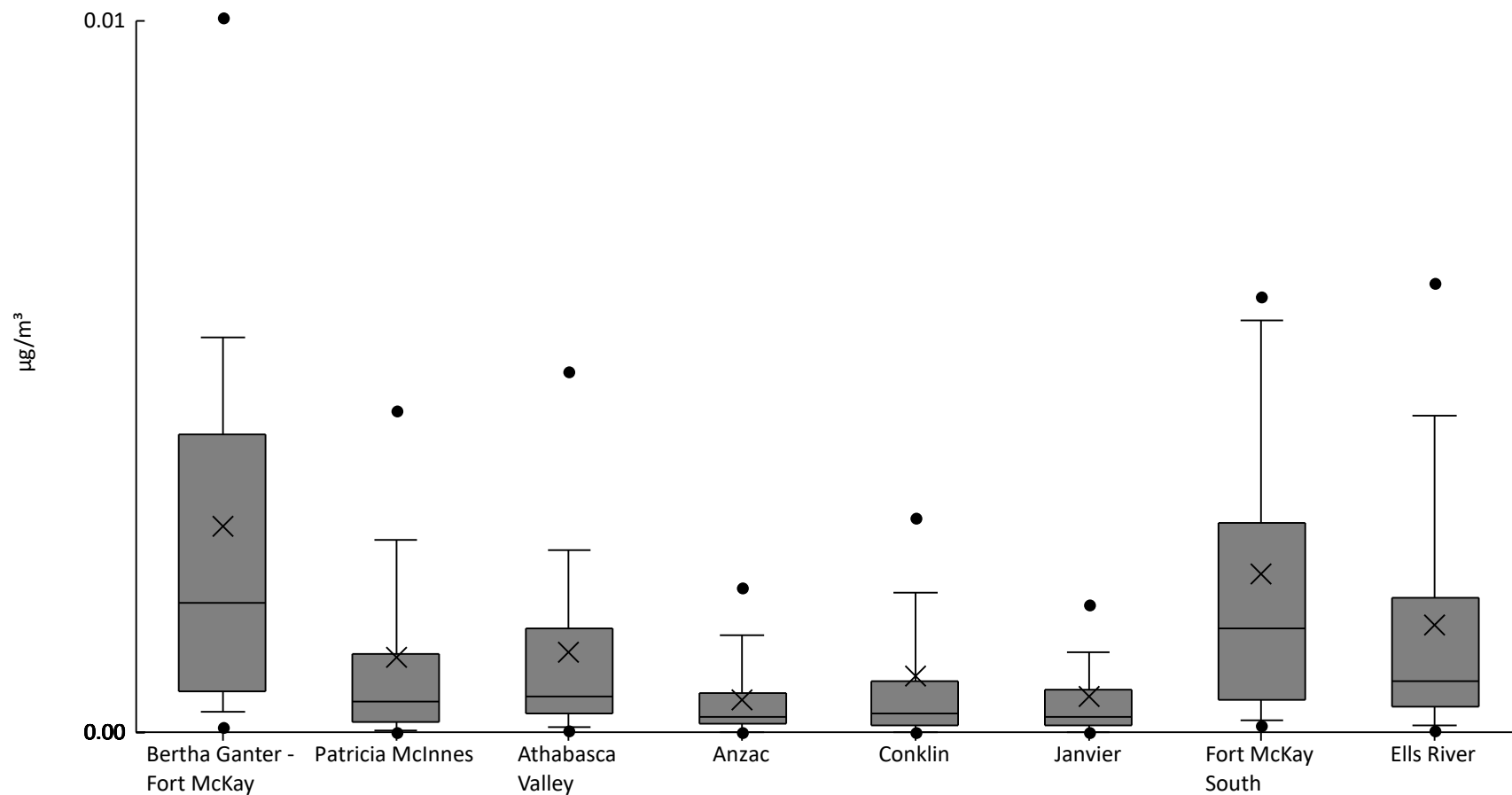
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	82%	0	0	6E-7	7.5E-6	2.6E-5	6.2E-5	1.1E-4	1.6E-4	2.7E-4	4.4E-5	5.7E-5
AMS06	Patricia McInnes	61	77%	0	0	6E-7	3E-6	7E-6	2E-5	4.8E-5	9E-5	1.6E-4	1.9E-5	3.2E-5
AMS07	Athabasca Valley	61	84%	0	0	1.2E-6	4.8E-6	1.1E-5	2.5E-5	4E-5	5E-5	2.6E-4	1.9E-5	3.4E-5
AMS14	Anzac	60	68%	0	0	0	1E-6	5.5E-6	1.3E-5	3.1E-5	4.2E-5	5E-5	9.9E-6	1.2E-5
AMS21	Conklin	47	68%	0	0	0	1.3E-6	9E-6	2.2E-5	5.2E-5	8.2E-5	2.3E-4	2E-5	3.7E-5
AMS22	Janvier	60	70%	0	0	0	2E-6	6E-6	1.6E-5	2.4E-5	3.3E-5	5.6E-5	1E-5	1.1E-5
AMS13	Fort McKay South	61	84%	0	0	6E-7	4.8E-6	1.9E-5	4.9E-5	1E-4	1.3E-4	1.8E-4	3.6E-5	4.3E-5
AMS30	Ells River	60	82%	0	0	0	4E-6	1.3E-5	3.5E-5	8.2E-5	1E-4	1.7E-4	2.7E-5	3.5E-5





Particulate Matter <10µm Tested For Elements - Vanadium (µg/m³) - 2021

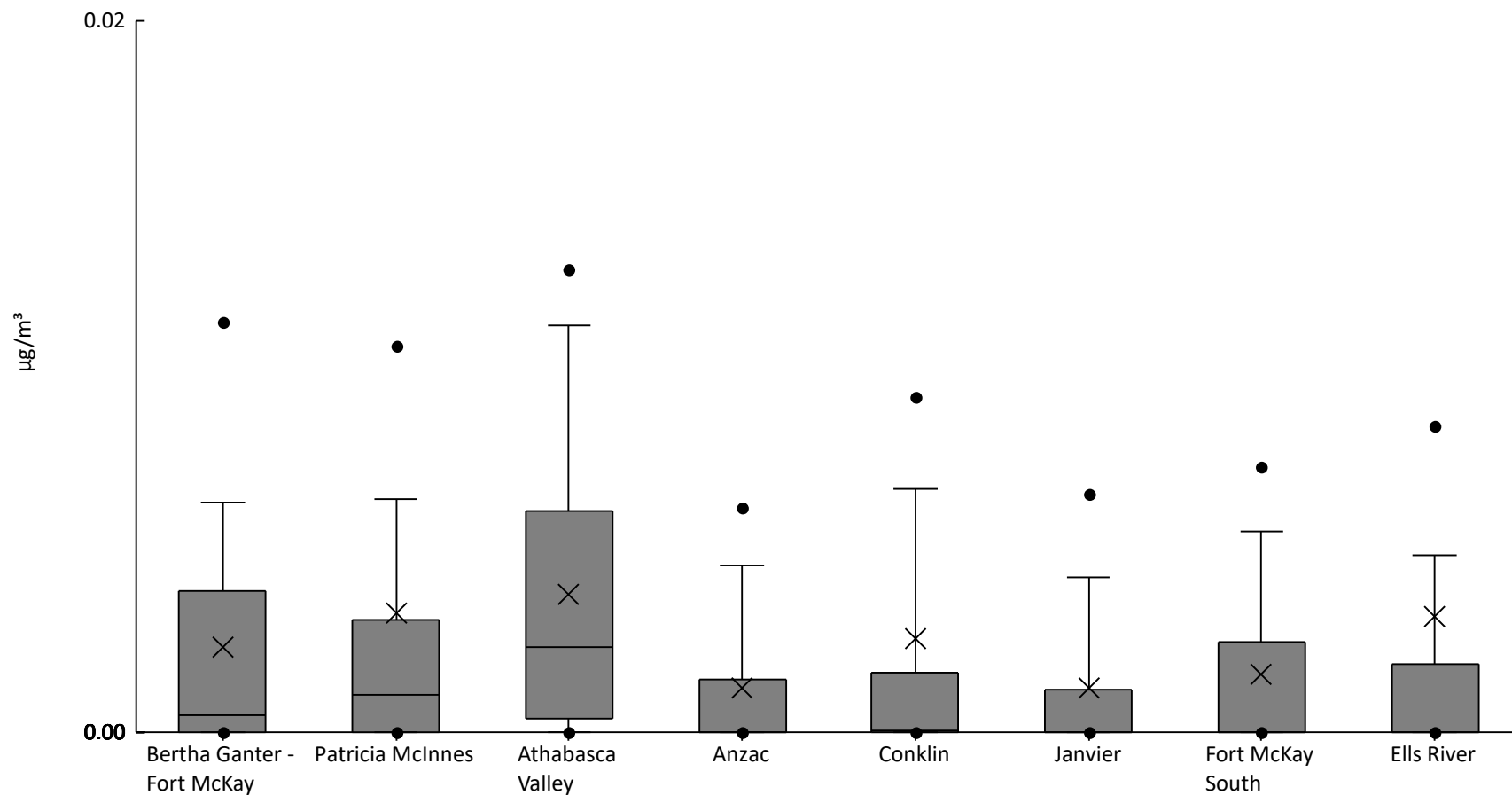
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	7.6E-5	2.9E-4	5.7E-4	1.8E-3	4.2E-3	5.6E-3	0.01	0.014	2.9E-3	2.9E-3
AMS06	Patricia McInnes	61	90%	0	0	2.6E-5	1.5E-4	4.4E-4	1.1E-3	2.7E-3	4.5E-3	8.9E-3	1.1E-3	1.7E-3
AMS07	Athabasca Valley	61	95%	0	2E-5	6.2E-5	2.6E-4	4.9E-4	1.5E-3	2.6E-3	5.1E-3	6.9E-3	1.1E-3	1.5E-3
AMS14	Anzac	60	88%	0	0	0	1.1E-4	2.1E-4	5.5E-4	1.4E-3	2E-3	2.7E-3	4.6E-4	6.1E-4
AMS21	Conklin	47	87%	0	0	0	9.7E-5	2.5E-4	7.1E-4	2E-3	3E-3	9.1E-3	7.9E-4	1.6E-3
AMS22	Janvier	60	88%	0	0	0	9.8E-5	2.1E-4	5.9E-4	1.1E-3	1.8E-3	7.8E-3	5.1E-4	1.1E-3
AMS13	Fort McKay South	61	98%	0	1E-4	1.7E-4	4.6E-4	1.4E-3	3E-3	5.8E-3	6.1E-3	0.011	2.2E-3	2.4E-3
AMS30	Ells River	60	95%	0	1.4E-5	8.6E-5	3.6E-4	7.1E-4	1.9E-3	4.4E-3	6.3E-3	8.1E-3	1.5E-3	1.9E-3





Particulate Matter <10µm Tested For Elements - Zinc (µg/m³) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	56%	0	0	0	0	4.8E-4	4E-3	6.4E-3	0.012	0.015	2.4E-3	3.6E-3
AMS06	Patricia McInnes	61	56%	0	0	0	0	1E-3	3.2E-3	6.5E-3	0.011	0.081	3.4E-3	0.01
AMS07	Athabasca Valley	61	75%	0	0	0	3.9E-4	2.4E-3	6.2E-3	0.011	0.013	0.023	3.9E-3	4.8E-3
AMS14	Anzac	60	35%	0	0	0	0	0	1.5E-3	4.7E-3	6.3E-3	0.013	1.2E-3	2.6E-3
AMS21	Conklin	47	47%	0	0	0	0	5.6E-5	1.7E-3	6.8E-3	9.4E-3	0.054	2.6E-3	8.2E-3
AMS22	Janvier	60	35%	0	0	0	0	0	1.2E-3	4.4E-3	6.7E-3	0.013	1.3E-3	2.6E-3
AMS13	Fort McKay South	61	46%	0	0	0	0	0	2.5E-3	5.6E-3	7.5E-3	0.013	1.6E-3	2.8E-3
AMS30	Ells River	60	45%	0	0	0	0	0	1.9E-3	5E-3	8.6E-3	0.11	3.3E-3	0.015



**WOOD BUFFALO ENVIRONMENTAL ASSOCIATION**

**INTEGRATED MONITORING PROGRAM  
ANNUAL REPORT**

**PARTICULATE MATTER – ELEMENTAL CARBON/ORGANIC CARBON  
DATA SUMMARY  
2021**

Prepared  
March 2022

**SAMPLE COLLECTION AND DATA COMPILATION BY:**

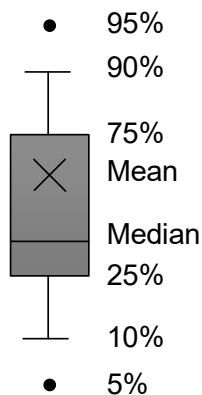
**Wood Buffalo Environmental Association  
Fort McMurray, Alberta**

**LABORATORY ANALYSIS BY:**

EC/OC: Desert Research Institute  
Reno, NV

CONTENTS DESCRIPTION	Annual Summary of Partisol Sampler Measurements of elemental carbon (EC) and organic carbon (OC)
SAMPLING PERIOD	24 hour
SAMPLING INTERVAL	Once every 6 days
UNITS	$\mu\text{g}/\text{m}^3$ (microgram per cubic meter)
OBSERVATION TYPE	Particles
FIELD SAMPLING OR MEASUREMENT PRINCIPLE	Filtration with PM <sub>10</sub> Inlet/Very Sharp Cut Cyclone for PM <sub>2.5</sub>
PARTICLE DIAMETER	< 2.5 $\mu\text{m}$
MEDIUM	47 mm Quartz Filter
ANALYTICAL METHODS	DRI Model 2001 Thermal/Optical Carbon Analyzer
SAMPLE PREPARATION	NA
ANALYTICAL LABORATORY	Desert Research Institute
USER NOTE 1	Data are blank corrected
USER NOTE 2	Volume is given at actual conditions of temperature and pressure during sampling as measured by the sampler
USER NOTE 3	Blank sample concentration ( $\mu\text{g}/\text{m}^3$ ) is calculated using expected actual volume of sampler
USER NOTE 4	Summary statistics include data with flags beginning with V.
VOLUME STANDARDIZATION	Actual Volume at Ambient Conditions
SAMPLING INSTRUMENT TYPE	FRM Partisol PM <sub>2.5</sub> sampler
FLAGS USED	
V0	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V4	Valid value despite failing to meet some QC or statistical criteria
V5	Valid value but qualified because of possible contamination
V6	Valid value but qualified due to non-standard sampling conditions
M1	Missing value because no value is available
M2	Missing value because invalidated by Data Originator

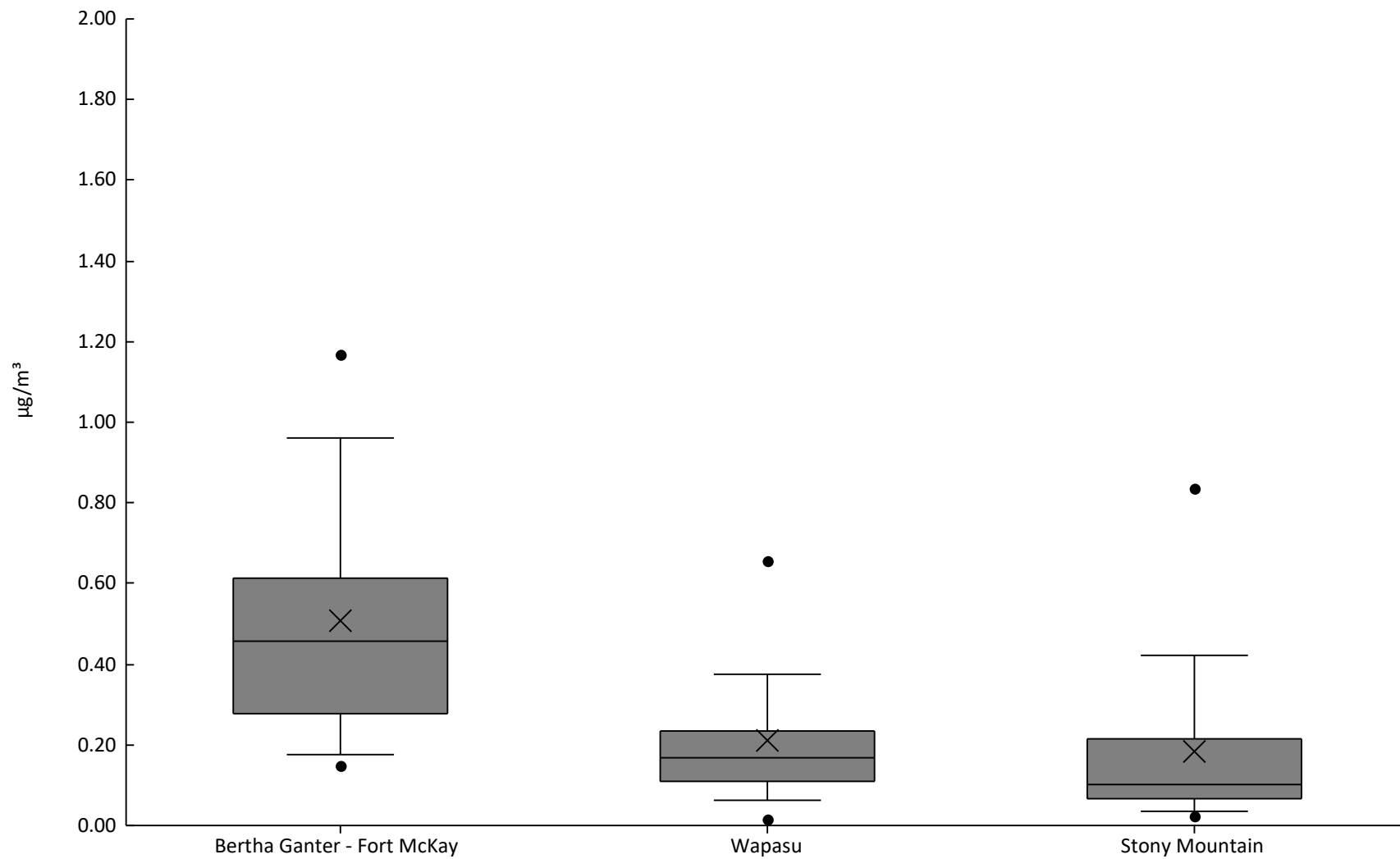
Legend description





Elemental Carbon Organic Carbon - Organic Carbon Fraction 1 ( $\mu\text{g}/\text{m}^3$ ) - 2021

Station #	Station	#	% $\geq$ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	0.072	0.15	0.18	0.28	0.46	0.61	0.96	1.2	1.5	0.51	0.3
AMS17	Wapasu	61	100%	5E-3	0.015	0.062	0.11	0.17	0.23	0.38	0.66	0.98	0.21	0.18
AMS18	Stony Mountain	61	100%	0.016	0.025	0.034	0.065	0.1	0.21	0.42	0.84	0.98	0.18	0.22

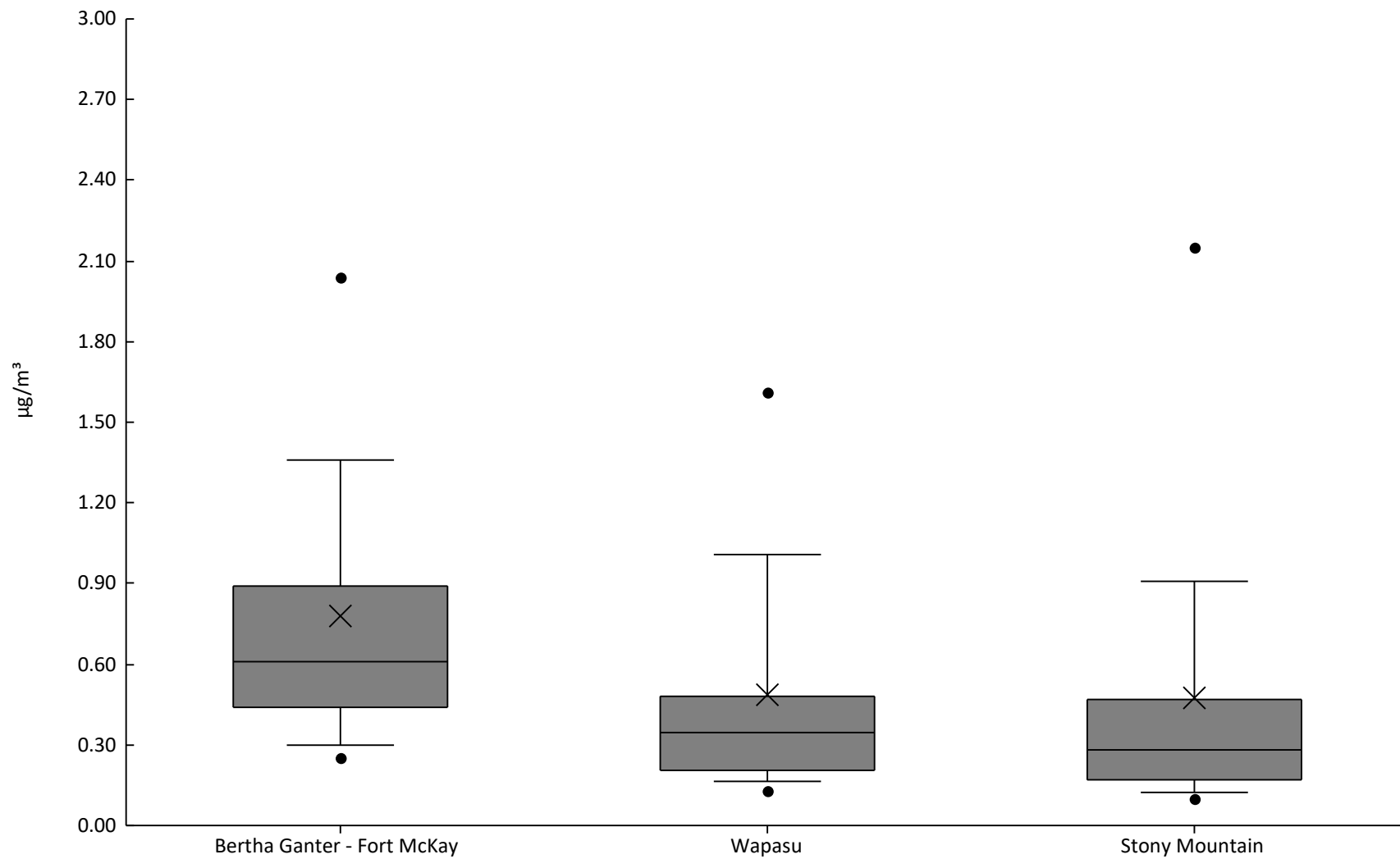






Elemental Carbon Organic Carbon - Organic Carbon Fraction 2 ( $\mu\text{g}/\text{m}^3$ ) - 2021

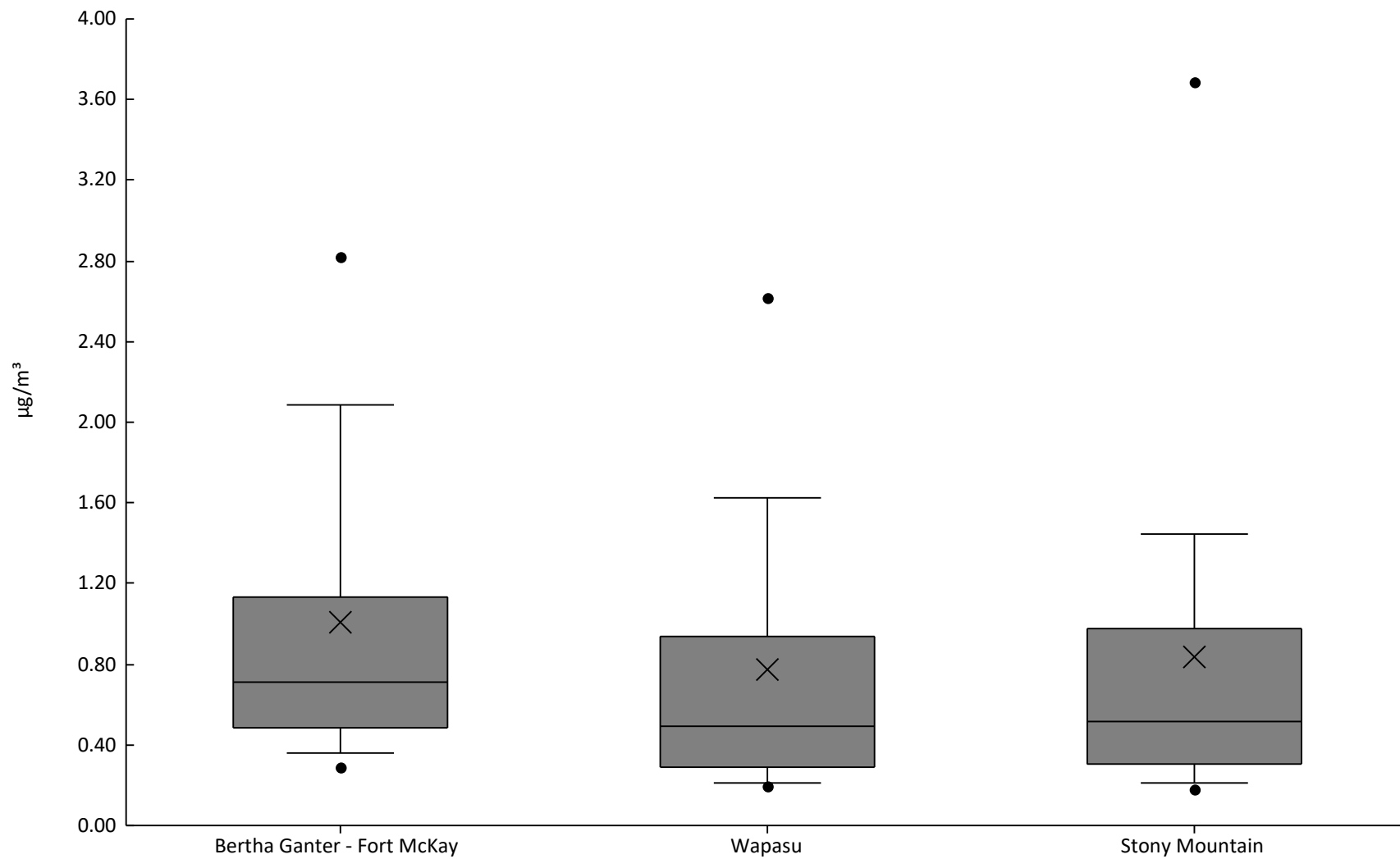
Station #	Station	#	% $\geq$ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	0.12	0.25	0.3	0.44	0.61	0.89	1.4	2	3.1	0.78	0.57
AMS17	Wapasu	61	100%	0.089	0.13	0.16	0.21	0.35	0.48	1	1.6	2.2	0.48	0.46
AMS18	Stony Mountain	61	100%	0.075	0.1	0.12	0.17	0.28	0.47	0.91	2.1	2.6	0.48	0.58





Elemental Carbon Organic Carbon - Organic Carbon Fraction 3 ( $\mu\text{g}/\text{m}^3$ ) - 2021

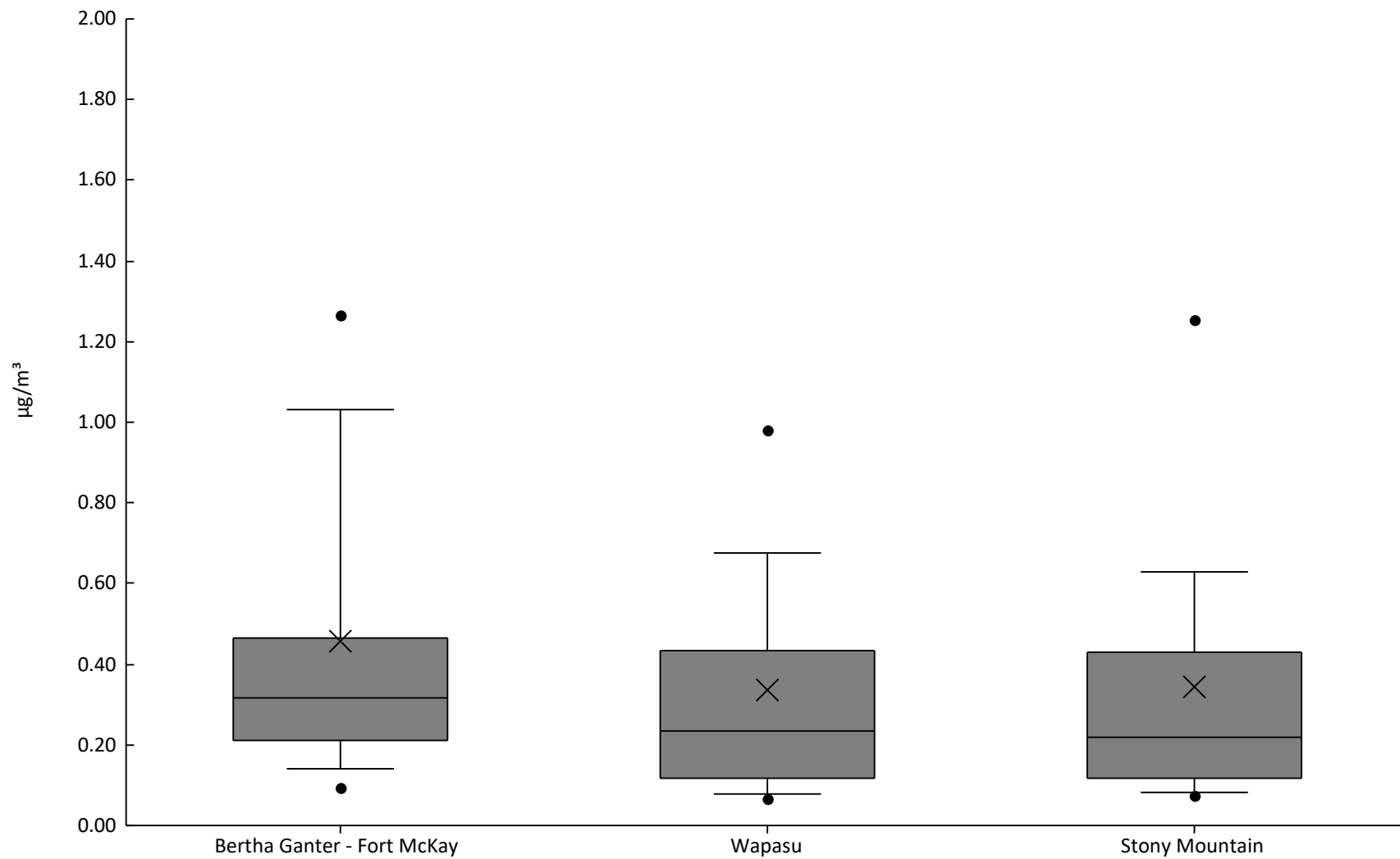
Station #	Station	#	% $\geq$ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	0.24	0.29	0.36	0.48	0.71	1.1	2.1	2.8	4.6	1	0.87
AMS17	Wapasu	61	100%	0.16	0.19	0.21	0.29	0.49	0.93	1.6	2.6	3.7	0.78	0.78
AMS18	Stony Mountain	61	100%	0.17	0.18	0.21	0.31	0.51	0.98	1.4	3.7	4.3	0.84	0.95





Elemental Carbon Organic Carbon - Organic Carbon Fraction 4 ( $\mu\text{g}/\text{m}^3$ ) - 2021

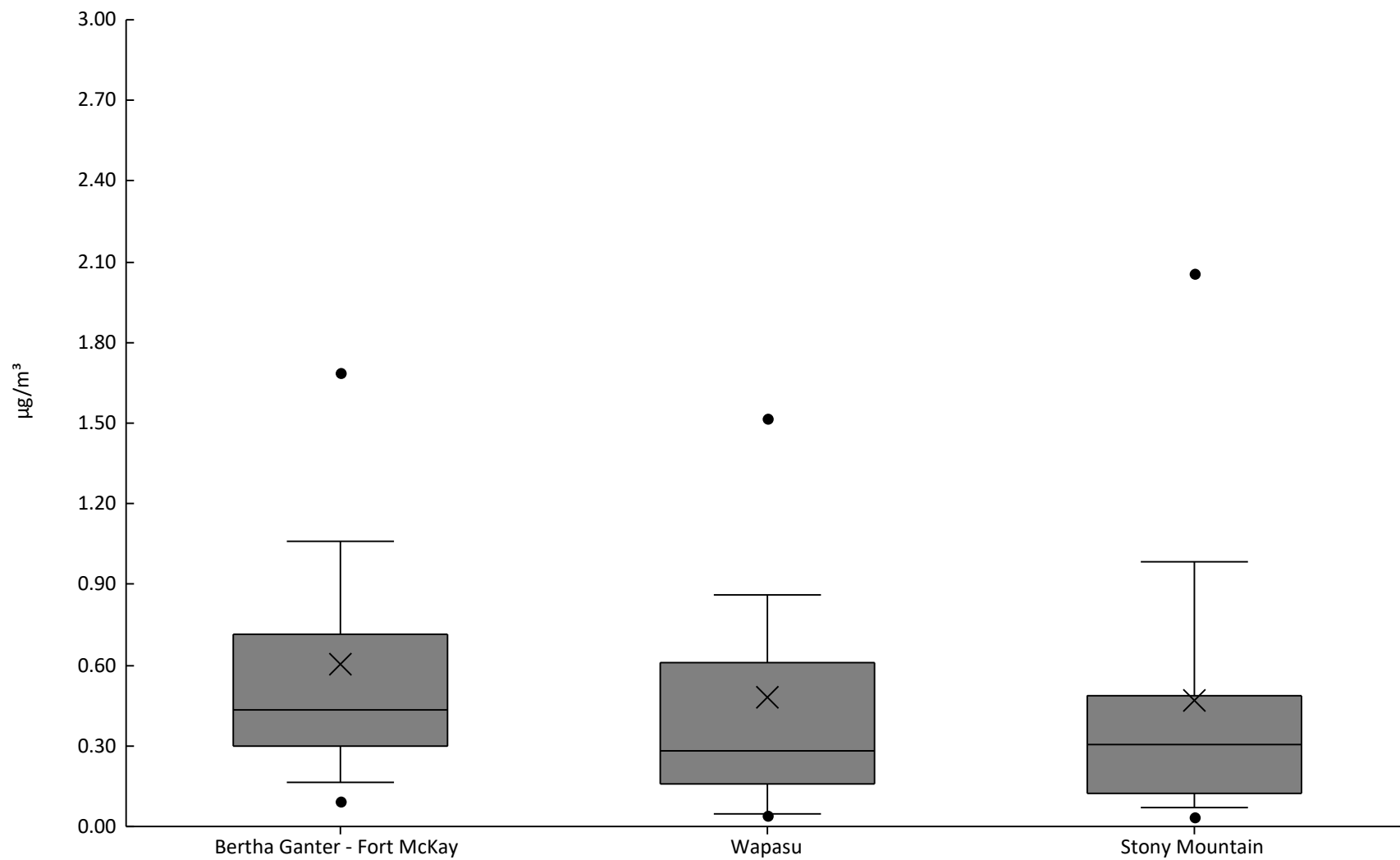
Station #	Station	#	% $\geq$ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	0.076	0.095	0.14	0.21	0.32	0.46	1	1.3	2.6	0.46	0.42
AMS17	Wapasu	61	100%	0.038	0.067	0.079	0.12	0.23	0.43	0.68	0.98	1.9	0.34	0.34
AMS18	Stony Mountain	61	100%	0.055	0.072	0.08	0.12	0.22	0.43	0.63	1.3	1.8	0.34	0.36





Elemental Carbon Organic Carbon - Pyrolyzed organic carbon, thermal method, transmittance ( $\mu\text{g}/\text{m}^3$ ) - 2021

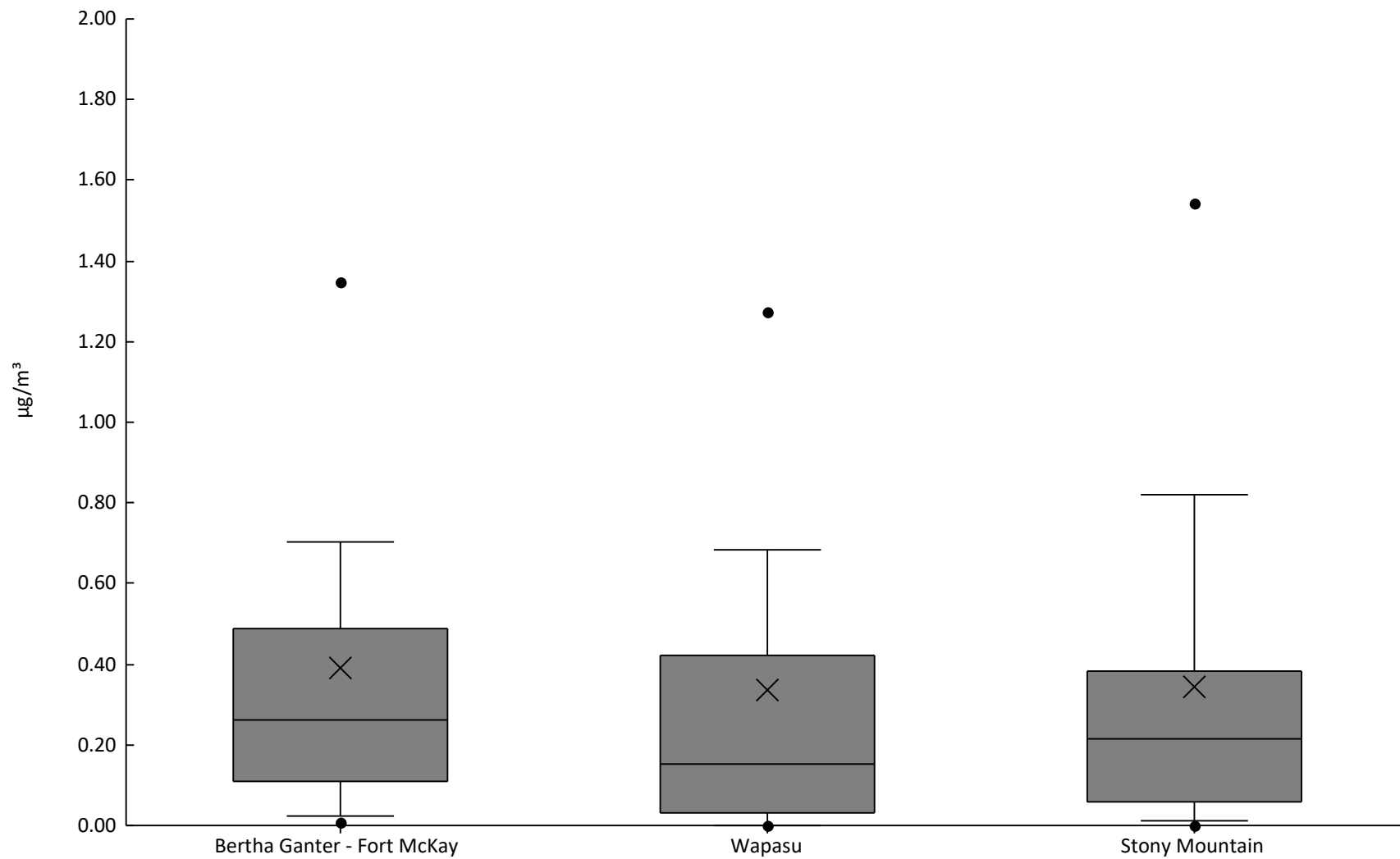
Station #	Station	#	% $\geq$ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	0.018	0.094	0.17	0.3	0.43	0.72	1.1	1.7	3.5	0.61	0.57
AMS17	Wapasu	61	97%	0	0.04	0.048	0.16	0.28	0.61	0.86	1.5	3.5	0.48	0.6
AMS18	Stony Mountain	61	100%	0.01	0.035	0.068	0.12	0.31	0.49	0.99	2.1	2.8	0.47	0.57





Elemental Carbon Organic Carbon - Pyrolyzed organic carbon, thermal method, reflectance ( $\mu\text{g}/\text{m}^3$ ) - 2021

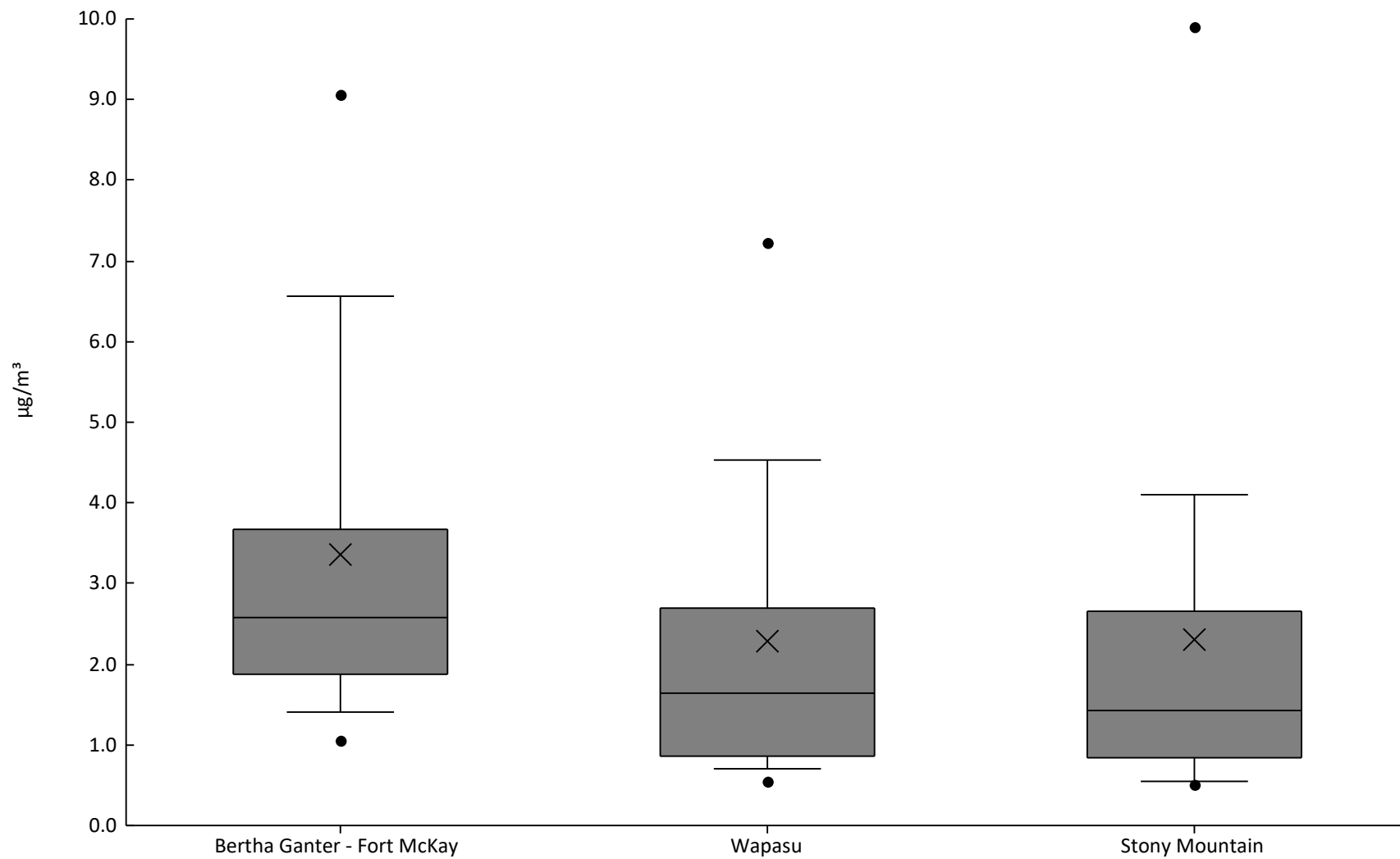
Station #	Station	#	% $\geq$ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	95%	0	7.7E-3	0.023	0.11	0.26	0.49	0.7	1.3	2.7	0.39	0.48
AMS17	Wapasu	61	84%	0	0	0	0.032	0.15	0.42	0.69	1.3	3	0.33	0.51
AMS18	Stony Mountain	61	92%	0	0	0.012	0.06	0.21	0.38	0.82	1.5	2.1	0.34	0.45





Elemental Carbon Organic Carbon - Organic carbon,thermal method, transmittance ( $\mu\text{g}/\text{m}^3$ ) - 2021

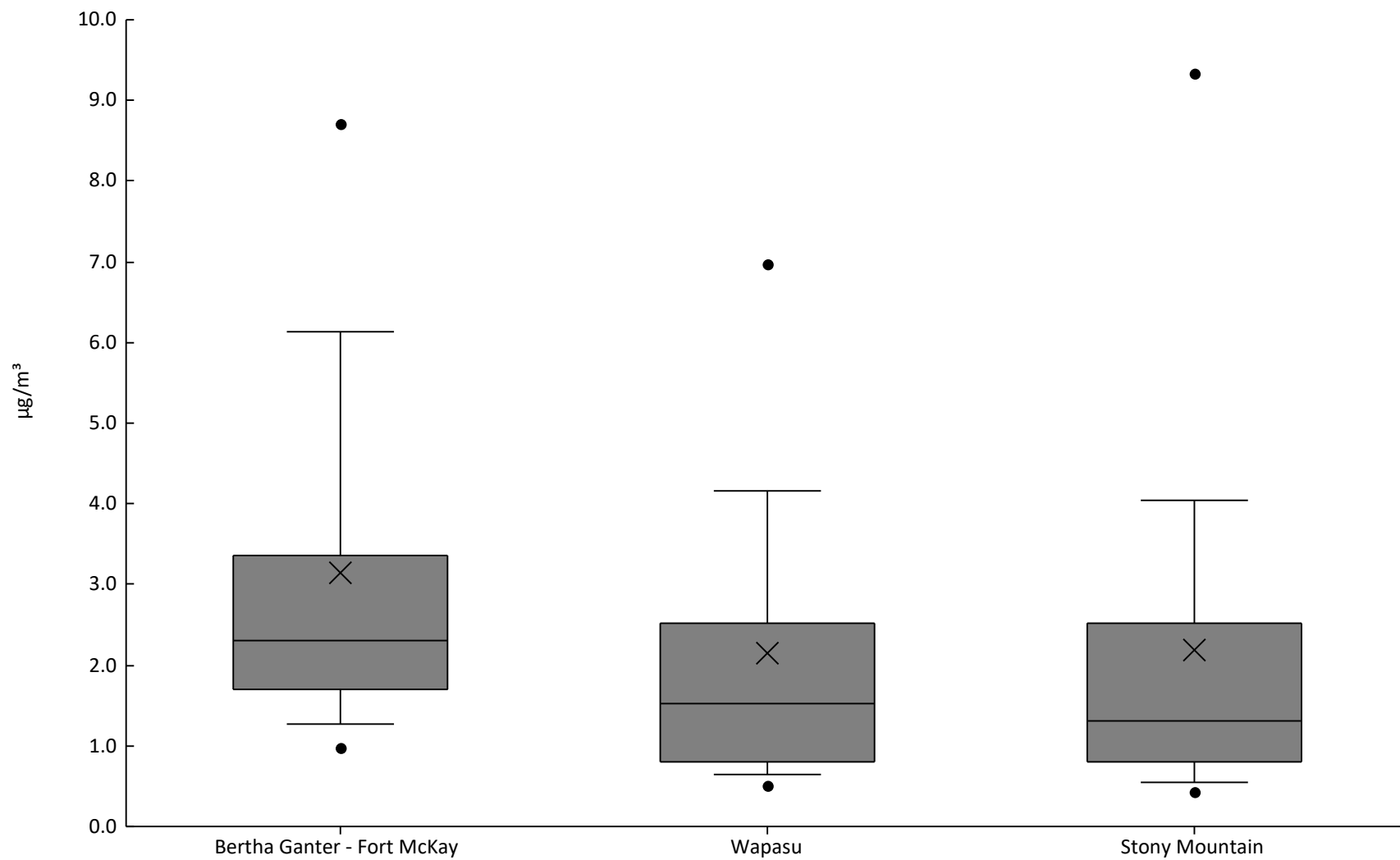
Station #	Station	#	% $\geq$ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	0.63	1.1	1.4	1.9	2.6	3.7	6.6	9.1	15	3.4	2.6
AMS17	Wapasu	61	100%	0.35	0.54	0.7	0.86	1.6	2.7	4.5	7.2	12	2.3	2.2
AMS18	Stony Mountain	61	100%	0.38	0.5	0.55	0.84	1.4	2.7	4.1	9.9	12	2.3	2.6





Elemental Carbon Organic Carbon - Organic carbon,thermal method, reflectance ( $\mu\text{g}/\text{m}^3$ ) - 2021

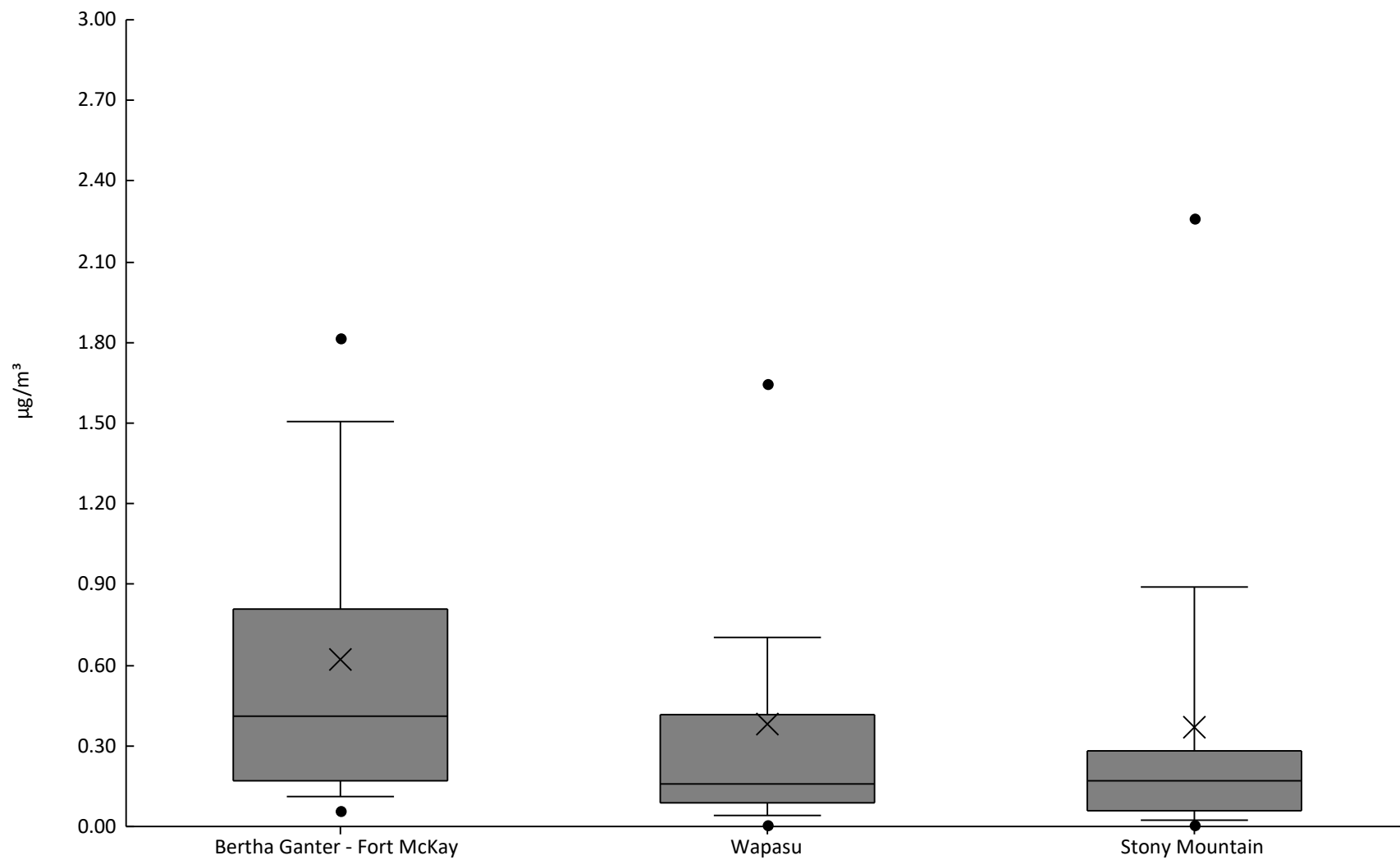
Station #	Station	#	% $\geq$ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	0.61	0.97	1.3	1.7	2.3	3.4	6.1	8.7	14	3.1	2.5
AMS17	Wapasu	61	100%	0.38	0.51	0.65	0.8	1.5	2.5	4.2	7	11	2.1	2.1
AMS18	Stony Mountain	61	100%	0.37	0.44	0.55	0.81	1.3	2.5	4	9.3	11	2.2	2.5





Elemental Carbon Organic Carbon - Elemental Carbon Fraction 1 ( $\mu\text{g}/\text{m}^3$ ) - 2021

Station #	Station	#	% $\geq$ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	0.018	0.06	0.11	0.17	0.41	0.81	1.5	1.8	3.8	0.62	0.69
AMS17	Wapasu	61	95%	0	8E-3	0.039	0.09	0.16	0.42	0.71	1.6	3.8	0.38	0.64
AMS18	Stony Mountain	61	98%	0	5.1E-3	0.023	0.056	0.17	0.28	0.89	2.3	2.6	0.37	0.62

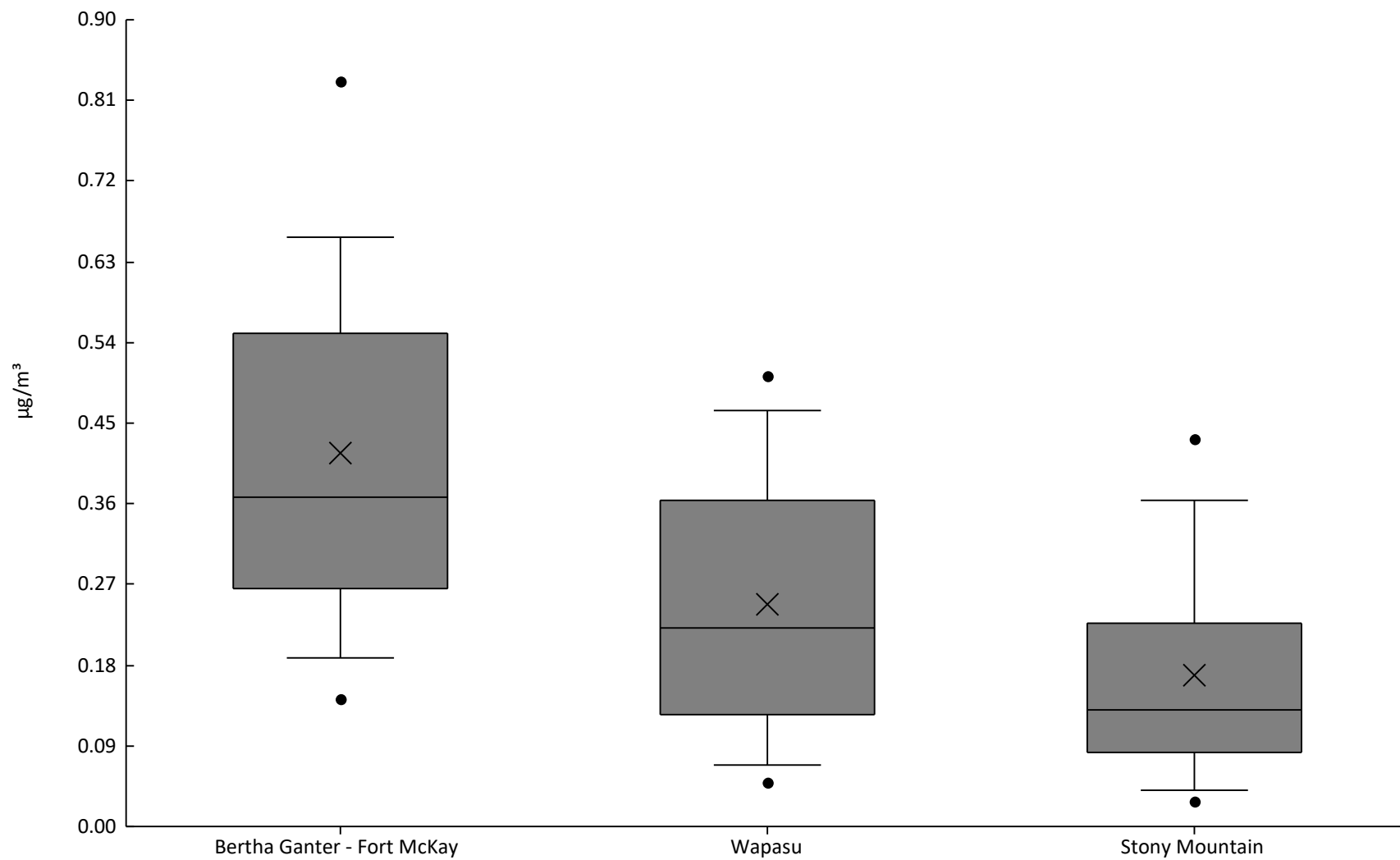






Elemental Carbon Organic Carbon - Elemental Carbon Fraction 2 ( $\mu\text{g}/\text{m}^3$ ) - 2021

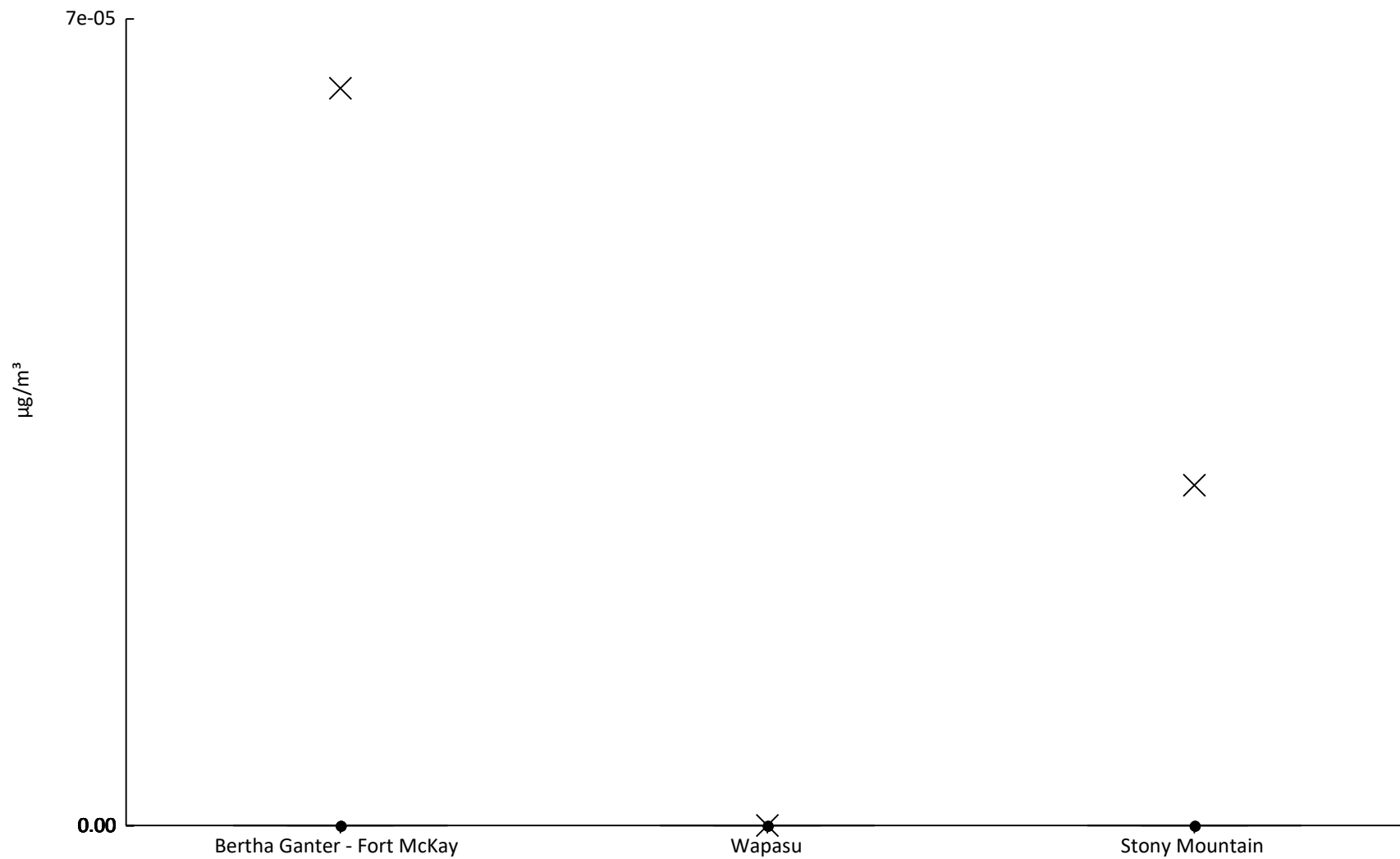
Station #	Station	#	% $\geq$ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	0.14	0.19	0.27	0.37	0.55	0.66	0.83	1	0.42	0.21
AMS17	Wapasu	61	100%	0.015	0.049	0.069	0.13	0.22	0.36	0.46	0.5	0.53	0.25	0.14
AMS18	Stony Mountain	61	100%	4E-3	0.028	0.041	0.083	0.13	0.23	0.36	0.43	0.54	0.17	0.12





Elemental Carbon Organic Carbon - Elemental Carbon Fraction 3 ( $\mu\text{g}/\text{m}^3$ ) - 2021

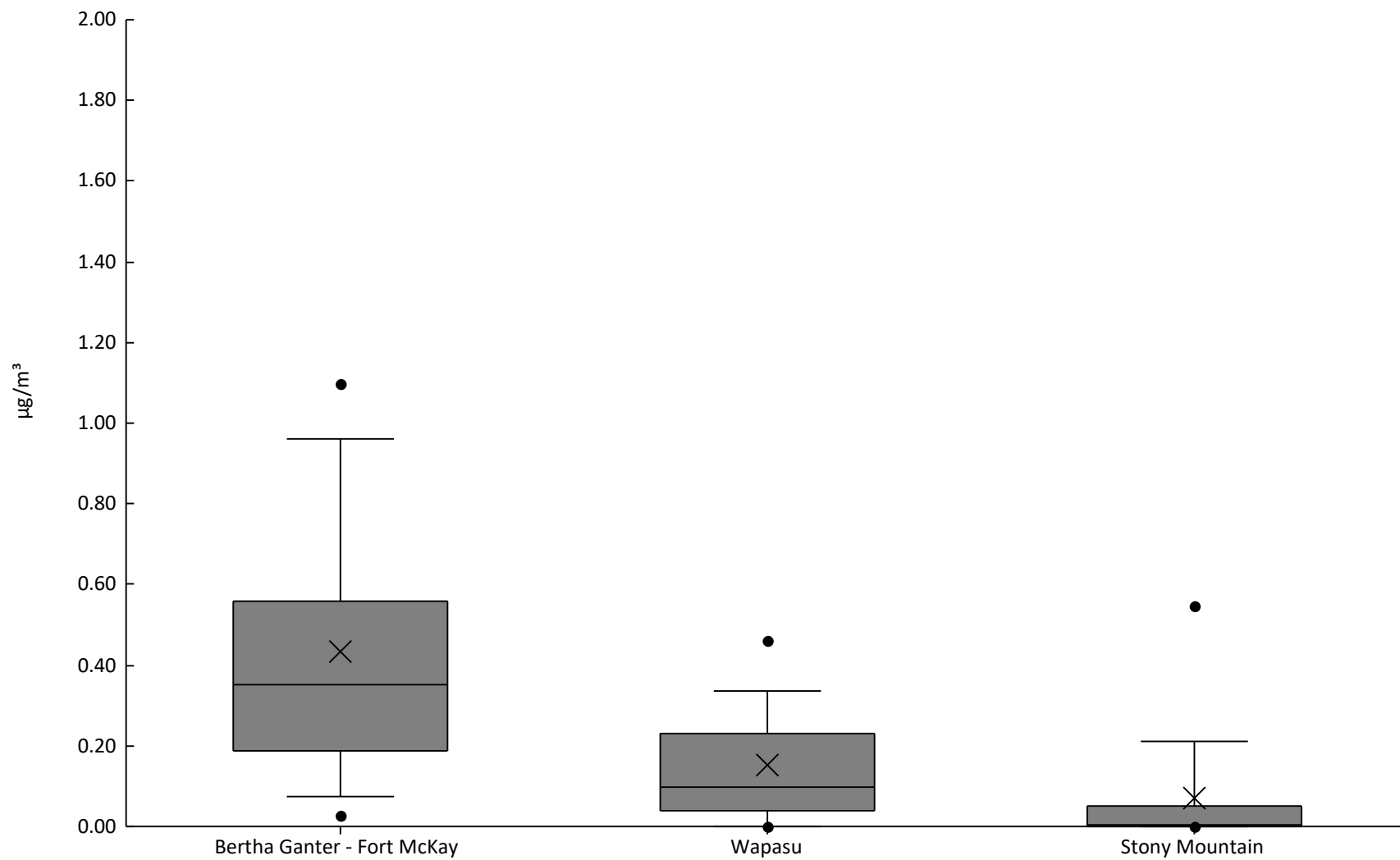
Station #	Station	#	% $\geq$ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	2%	0	0	0	0	0	0	0	0	3.9E-3	6.4E-5	5E-4
AMS17	Wapasu	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS18	Stony Mountain	61	2%	0	0	0	0	0	0	0	0	1.8E-3	3E-5	2.3E-4





Elemental Carbon Organic Carbon - Elemental carbon,thermal method, transmittance ( $\mu\text{g}/\text{m}^3$ ) - 2021

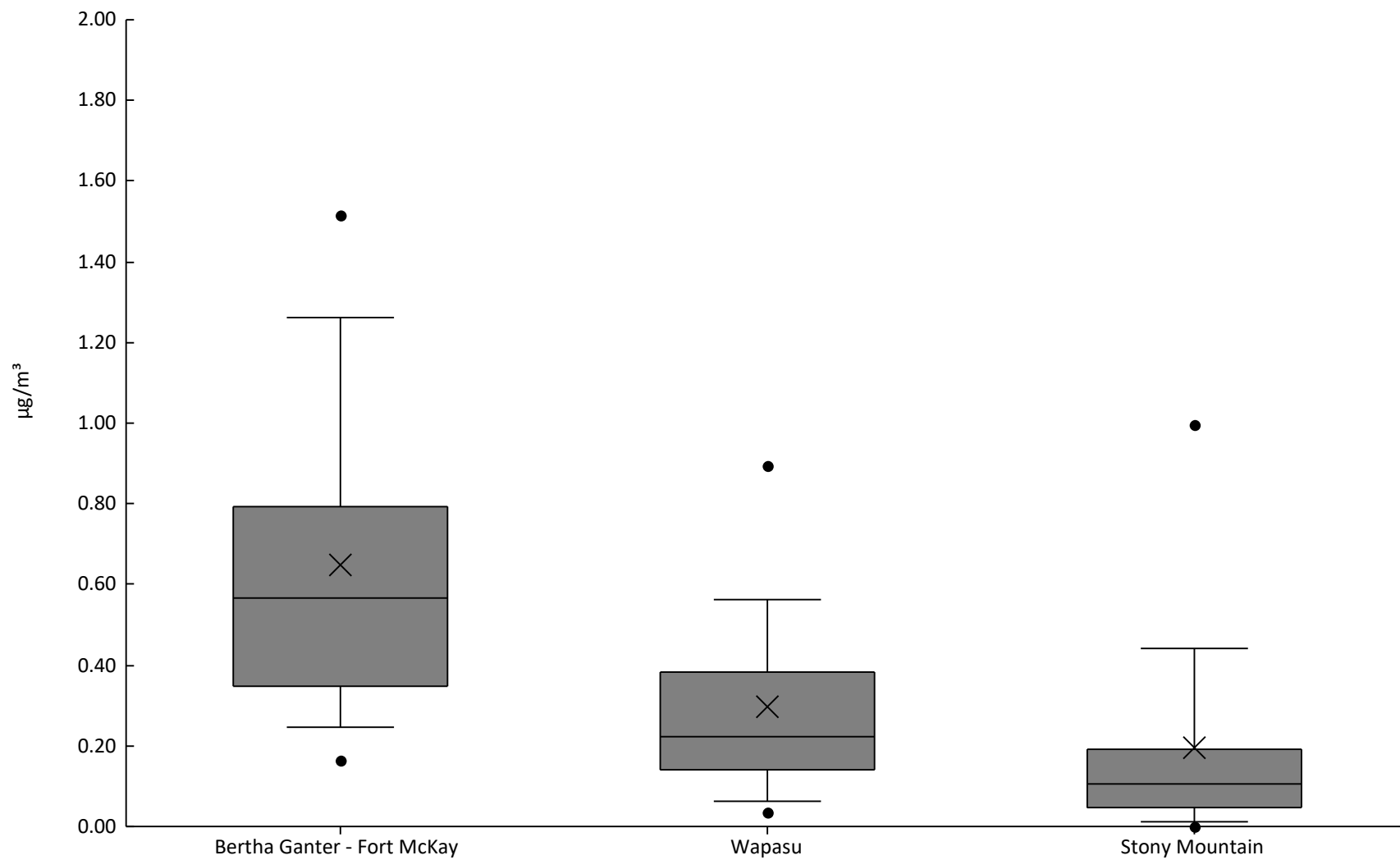
Station #	Station	#	% $\geq$ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	97%	0	0.028	0.075	0.19	0.35	0.56	0.96	1.1	1.4	0.43	0.33
AMS17	Wapasu	61	84%	0	0	0	0.038	0.098	0.23	0.33	0.46	0.74	0.15	0.16
AMS18	Stony Mountain	61	48%	0	0	0	0	3E-3	0.051	0.21	0.55	0.77	0.072	0.17





Elemental Carbon Organic Carbon - Elemental carbon,thermal method, reflectance ( $\mu\text{g}/\text{m}^3$ ) - 2021

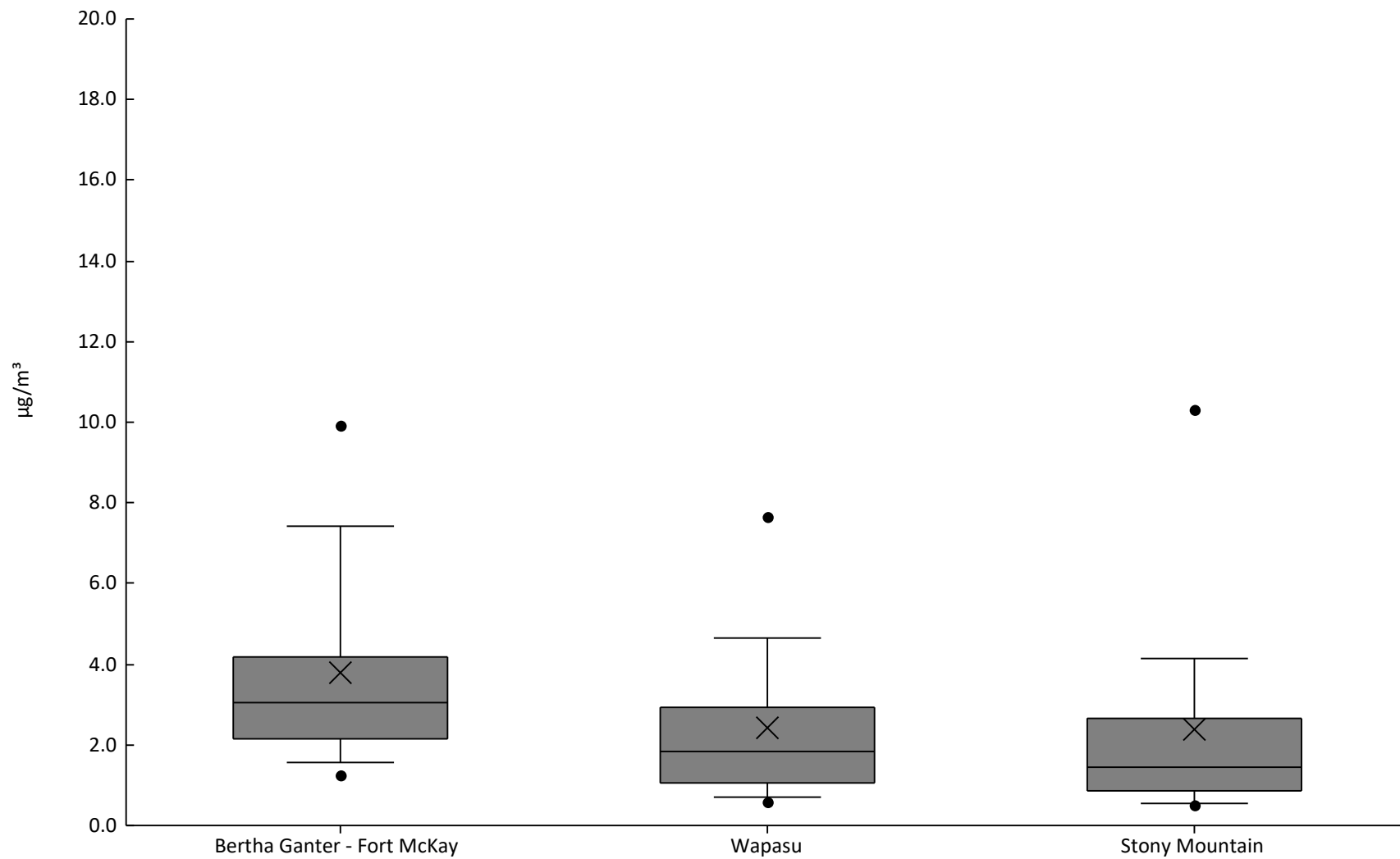
Station #	Station	#	% $\geq$ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	0.015	0.17	0.24	0.35	0.57	0.79	1.3	1.5	1.8	0.65	0.41
AMS17	Wapasu	61	97%	0	0.033	0.062	0.14	0.22	0.38	0.56	0.89	1.3	0.3	0.25
AMS18	Stony Mountain	61	92%	0	0	1E-2	0.045	0.1	0.19	0.44	1	1.4	0.19	0.29





Elemental Carbon Organic Carbon - Total Carbon ( $\mu\text{g}/\text{m}^3$ ) - 2021

Station #	Station	#	% $\geq$ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	0.63	1.3	1.6	2.2	3	4.2	7.4	9.9	16	3.8	2.8
AMS17	Wapasu	61	100%	0.38	0.59	0.72	1	1.8	2.9	4.7	7.7	12	2.4	2.4
AMS18	Stony Mountain	61	100%	0.39	0.51	0.55	0.86	1.4	2.7	4.1	10	13	2.4	2.8



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**INTEGRATED MONITORING PROGRAM  
ANNUAL REPORT**

**POLYCYCLIC AROMATIC HYDROCARBONS  
DATA SUMMARY  
2021**

Prepared  
March 2022

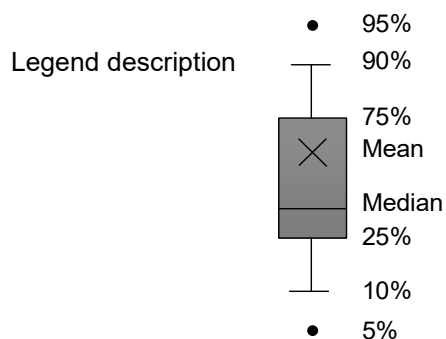
**SAMPLE COLLECTION AND DATA COMPILATION BY:**

**Wood Buffalo Environmental Association**  
Fort McMurray, Alberta

**LABORATORY ANALYSIS BY:**

Total PAHs: Air Zone One Incorporated  
Mississauga, Ontario

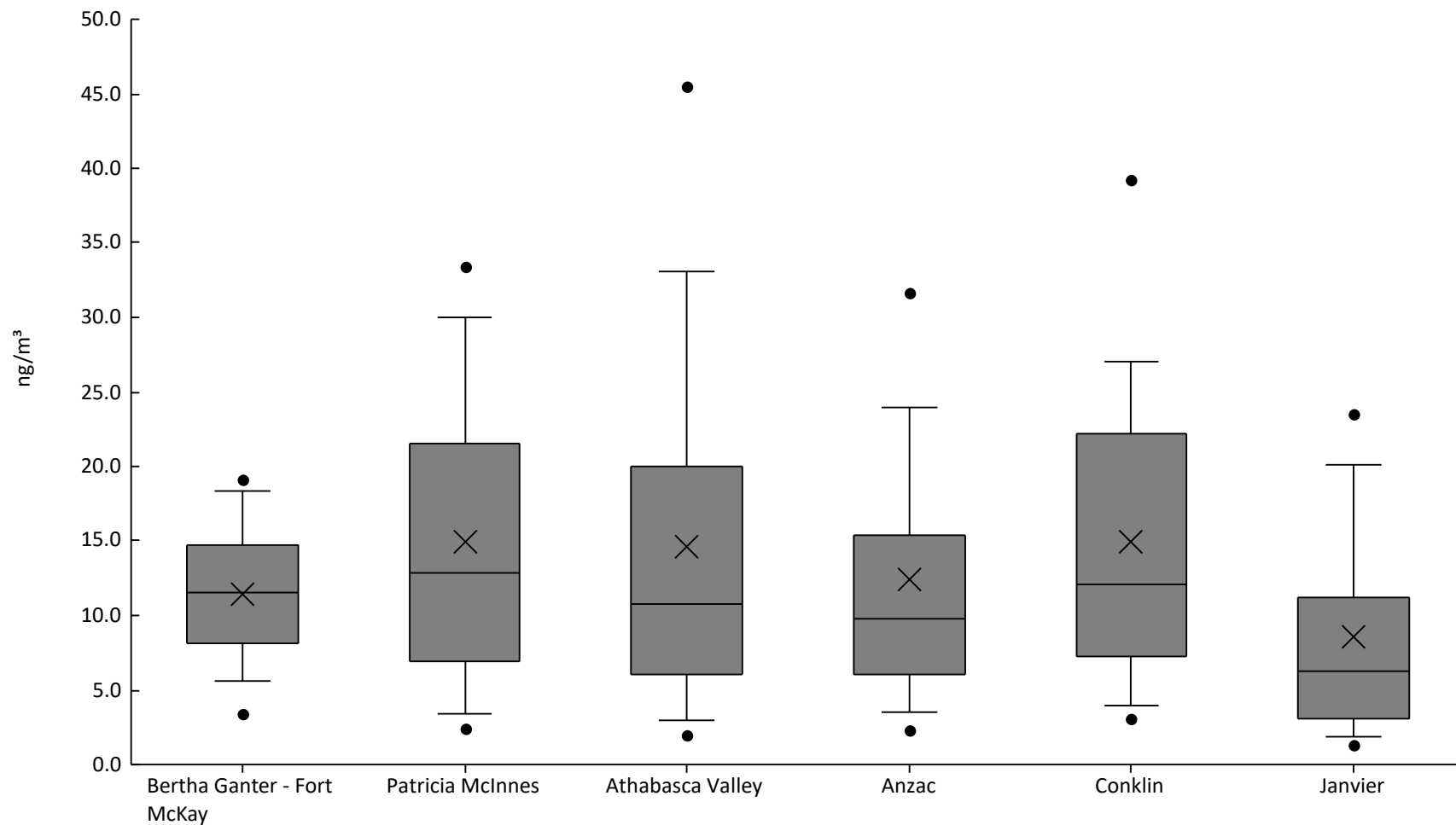
CONTENTS DESCRIPTION	Annual Summary of PAH - Speciated PAH Gas + Particle Phase Measurements
SAMPLE PERIOD	24 hour
SAMPLING INTERVAL	Once every 6 days
UNITS	ng/m <sup>3</sup> (nanogram per cubic meter)
OBSERVATION TYPE	Particles + gas
FIELD SAMPLING OR MEASUREMENT PRINCIPLE	filtration and adsorbent
PARTICLE DIAMETER	TSP (total suspended particle)
MEDIUM	a glass fiber filter + PUF/XAD-2/PUF
ANALYTICAL METHOD	Gas Chromatograph/Mass Spectrometer (GC/MS)
SAMPLE PREPARATION	Solvent Extraction
ANALYTICAL LABORATORY	AIRZONE One Inc.
USER NOTE 1	Data are recovery corrected and samples are corrected with a lab blank and an internal standard.
USER NOTE 2	Volume is given at actual conditions of temperature and pressure during sampling as measured by the sampler
USER NOTE 3	Summary statistics include data with flags beginning with V.
VOLUME STANDARDIZATION	Actual Volume at Ambient Conditions
SAMPLING INSTRUMENT TYPE	Tisch TE-1000 High-Volume Sampler
FLAGS USED	
V0	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V4	Valid value despite failing to meet some QC or statistical criteria
V5	Valid value but qualified because of possible contamination
V6	Valid value but qualified due to non-standard sampling conditions
M1	Missing value because no value is available
M2	Missing value because invalidated by Data Originator





Polycyclic Aromatic Hydrocarbons - Naphthalene (ng/m<sup>3</sup>) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	3.1	3.4	5.6	8.1	12	15	18	19	20	11	4.6
AMS06	Patricia McInnes	60	100%	1.4	2.4	3.4	7	13	22	30	33	40	15	9.7
AMS07	Athabasca Valley	60	100%	1.1	2	3	6.1	11	20	33	46	50	15	12
AMS14	Anzac	61	100%	1.1	2.3	3.5	6.1	9.8	15	24	32	49	12	9.9
AMS21	Conklin	61	100%	2.5	3	3.9	7.2	12	22	27	39	44	15	10
AMS22	Janvier	59	100%	0.41	1.3	1.8	3.1	6.2	11	20	24	30	8.6	7

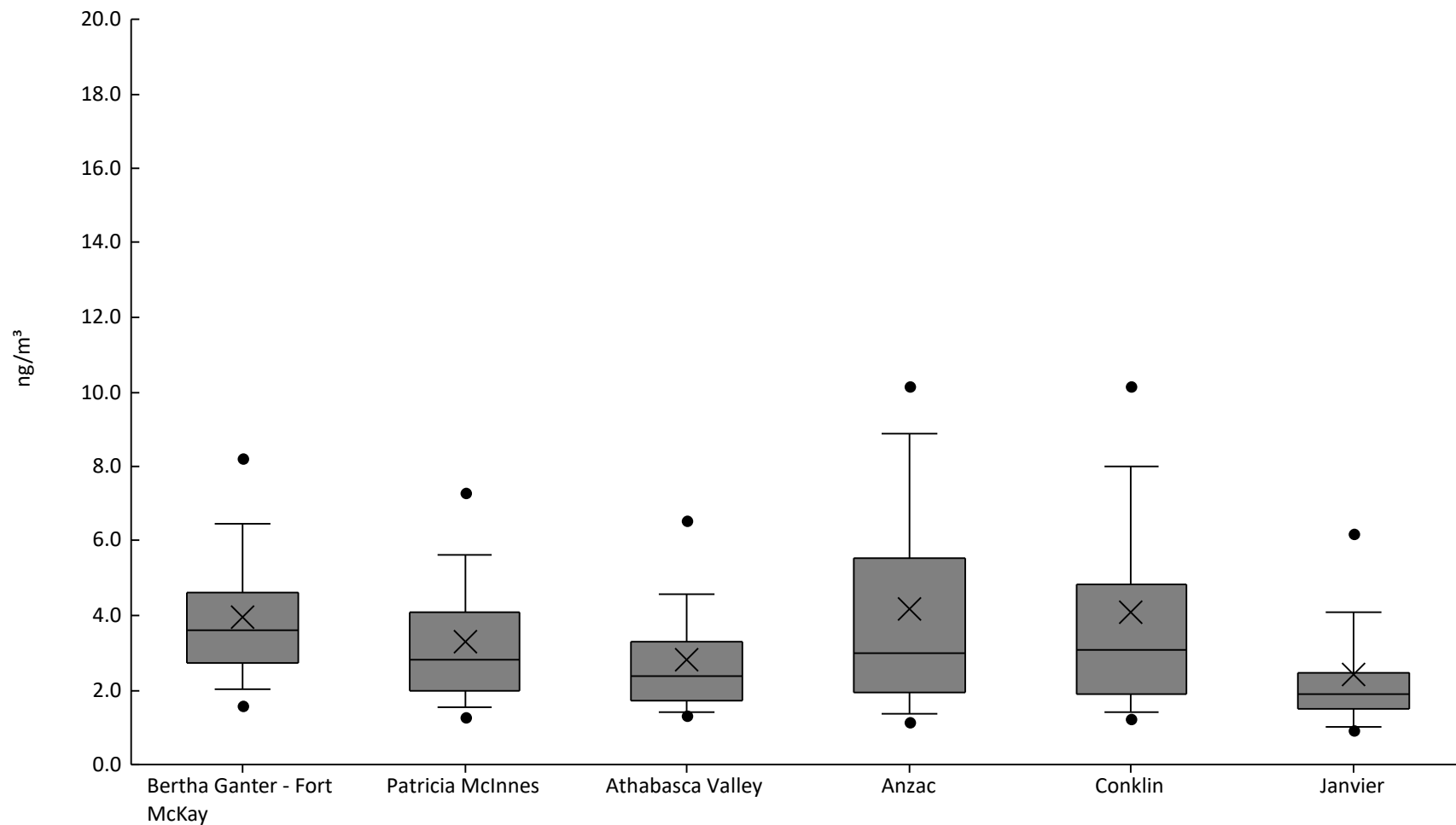






Polycyclic Aromatic Hydrocarbons - Acenaphthylene (ng/m<sup>3</sup>) - 2021

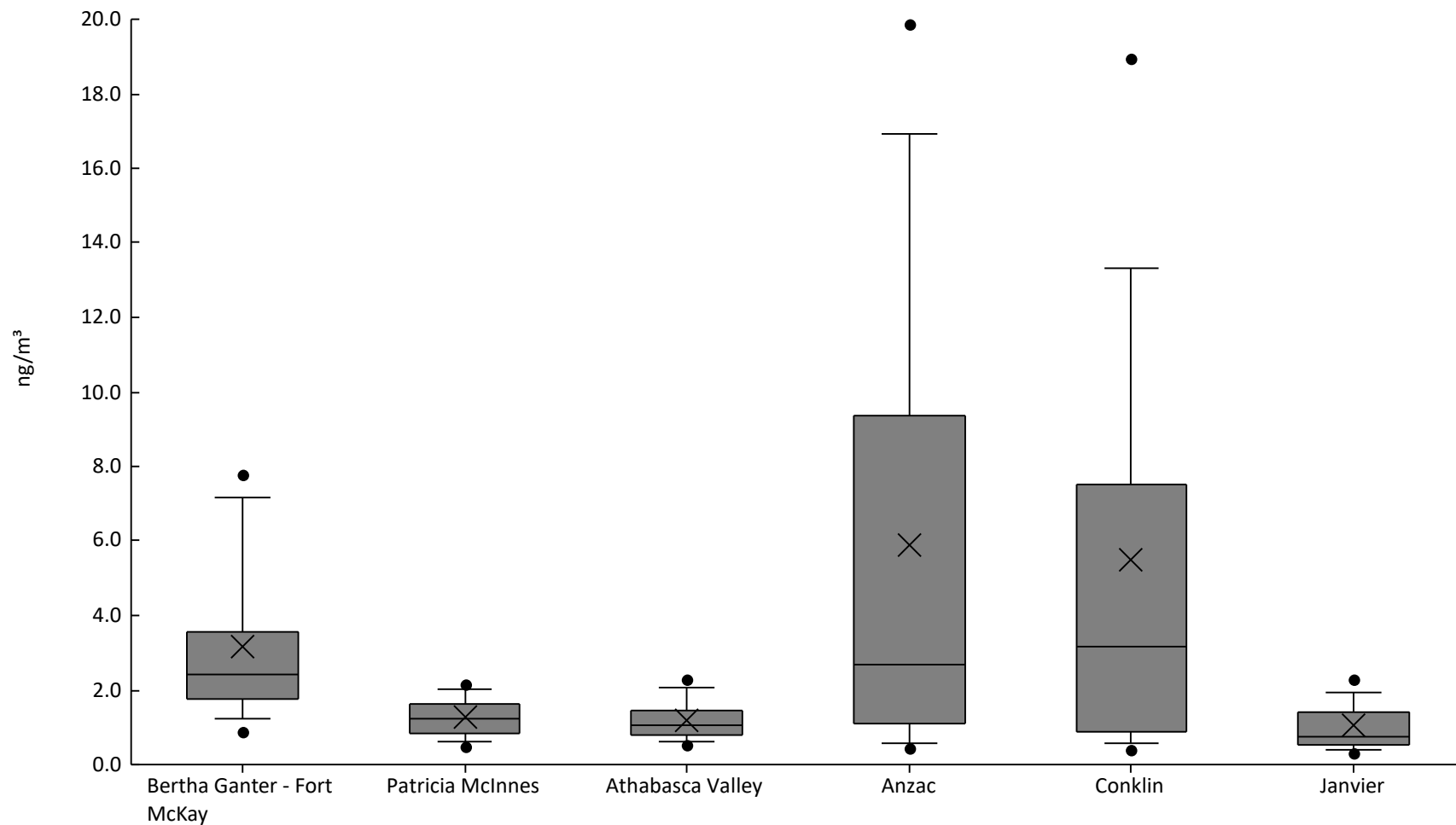
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	1.3	1.6	2	2.7	3.6	4.6	6.5	8.2	11	4	1.9
AMS06	Patricia McInnes	60	100%	1.1	1.3	1.6	2	2.8	4.1	5.6	7.3	9.4	3.3	1.8
AMS07	Athabasca Valley	60	100%	1	1.3	1.4	1.7	2.4	3.3	4.6	6.6	8.8	2.8	1.6
AMS14	Anzac	61	100%	0.3	1.1	1.4	1.9	3	5.5	8.9	10	18	4.2	3.3
AMS21	Conklin	61	100%	0.73	1.2	1.4	1.9	3.1	4.8	8	10	23	4.1	3.7
AMS22	Janvier	59	100%	0.74	0.93	1	1.5	1.9	2.4	4.1	6.2	15	2.4	2.1





Polycyclic Aromatic Hydrocarbons - Acenaphthene (ng/m<sup>3</sup>) - 2021

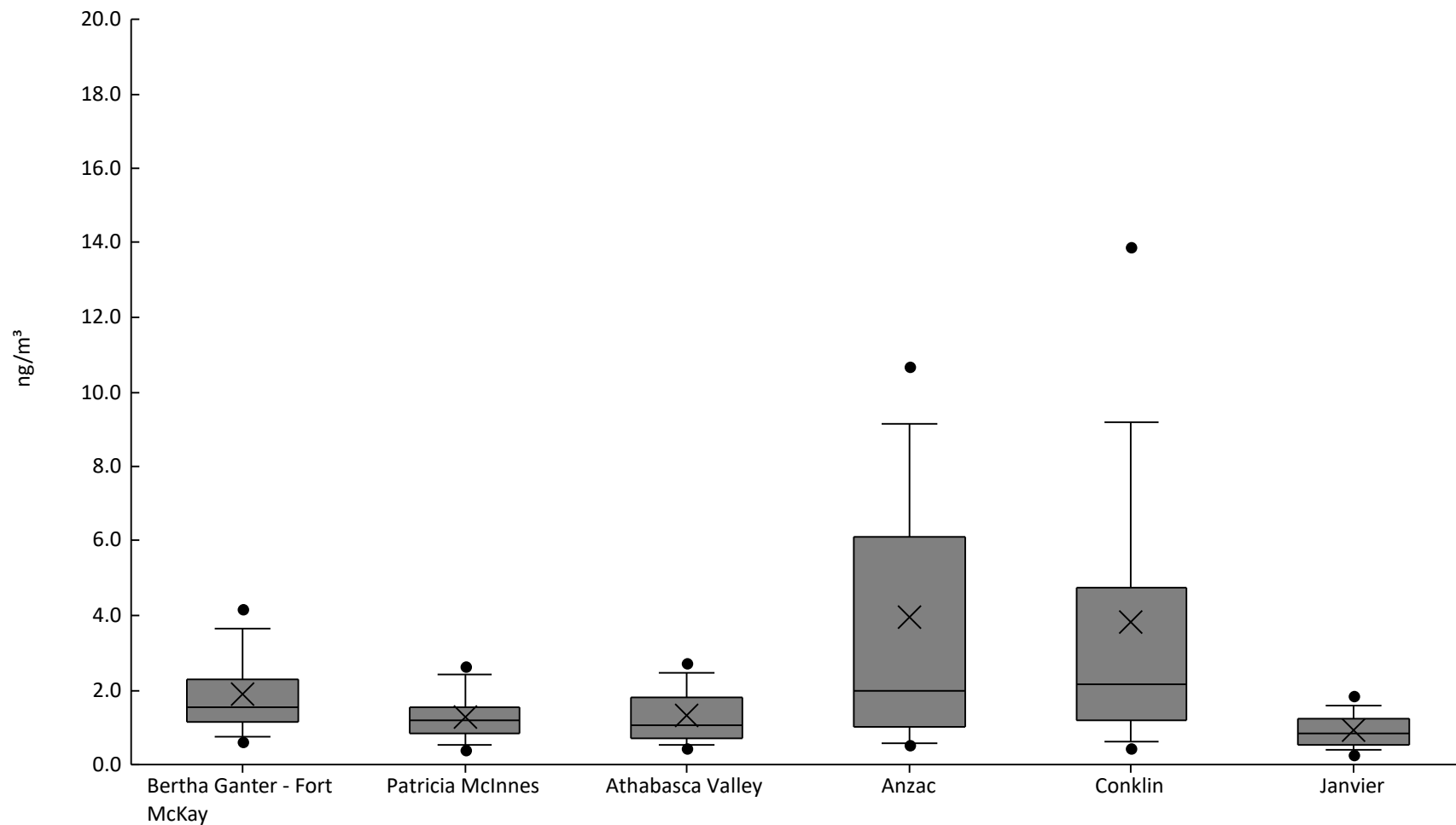
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	0.56	0.87	1.2	1.7	2.4	3.6	7.2	7.8	10	3.2	2.2
AMS06	Patricia McInnes	60	100%	0.41	0.48	0.62	0.84	1.2	1.6	2	2.2	2.9	1.3	0.55
AMS07	Athabasca Valley	60	100%	0.26	0.54	0.61	0.78	1.1	1.4	2.1	2.3	2.4	1.2	0.53
AMS14	Anzac	61	100%	0.32	0.42	0.55	1.1	2.7	9.3	17	20	25	5.9	6.3
AMS21	Conklin	61	100%	0.3	0.4	0.58	0.86	3.2	7.5	13	19	29	5.5	6.1
AMS22	Janvier	59	100%	0.068	0.29	0.4	0.55	0.75	1.4	1.9	2.3	5.8	1.1	0.98





Polycyclic Aromatic Hydrocarbons - Fluorene (ng/m<sup>3</sup>) - 2021

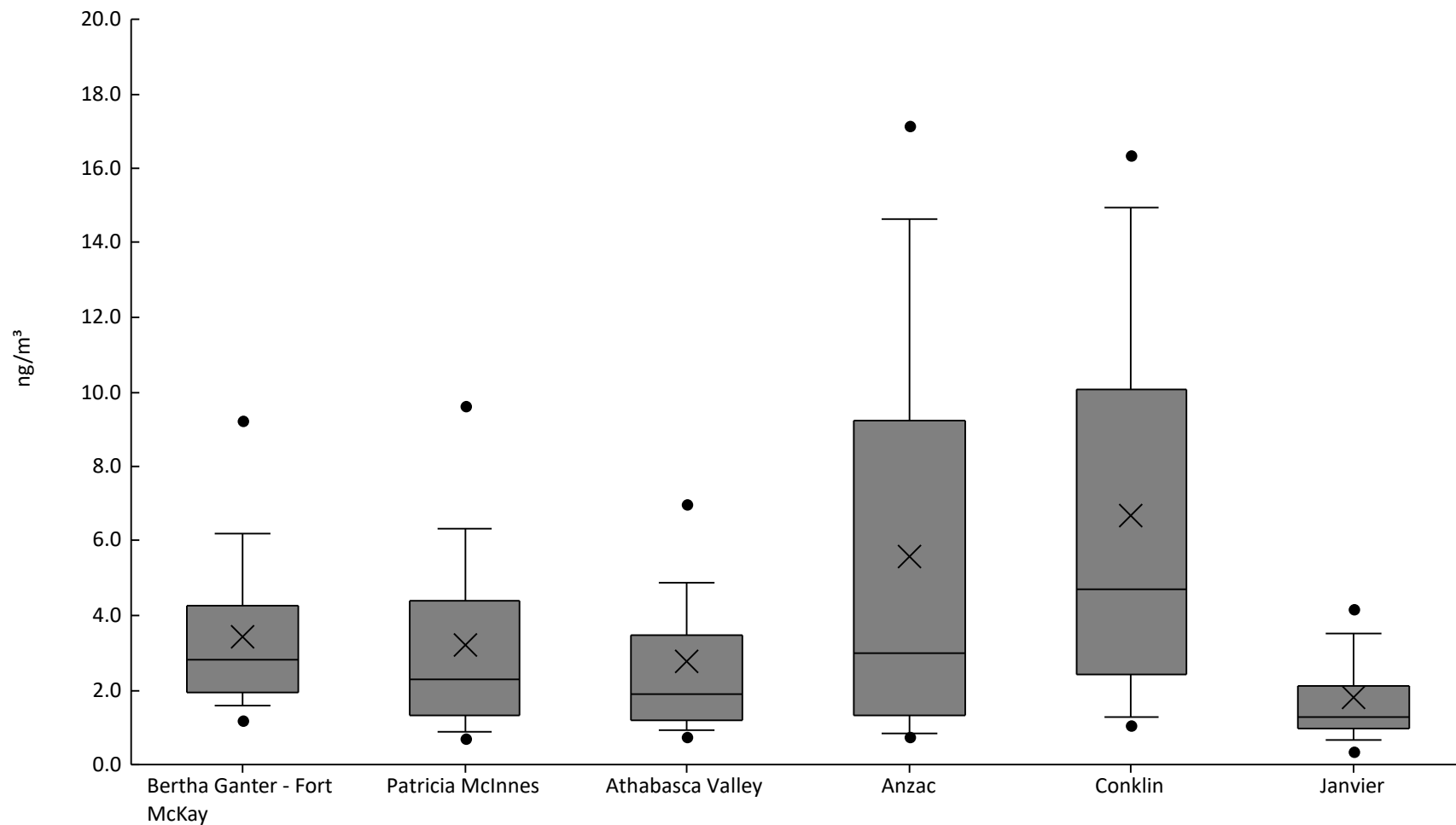
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	0.46	0.63	0.73	1.2	1.6	2.3	3.6	4.2	6.3	1.9	1.2
AMS06	Patricia McInnes	60	100%	0.077	0.4	0.53	0.83	1.2	1.6	2.4	2.6	3.1	1.3	0.67
AMS07	Athabasca Valley	60	100%	0.29	0.45	0.53	0.68	1.1	1.8	2.5	2.7	3.9	1.3	0.8
AMS14	Anzac	61	100%	0.3	0.53	0.59	0.99	2	6.1	9.2	11	25	3.9	4.4
AMS21	Conklin	61	100%	0.27	0.44	0.64	1.2	2.2	4.7	9.2	14	19	3.8	4.3
AMS22	Janvier	59	100%	0.18	0.27	0.38	0.54	0.83	1.2	1.6	1.8	2.1	0.94	0.48





Polycyclic Aromatic Hydrocarbons - Phenanthrene (ng/m<sup>3</sup>) - 2021

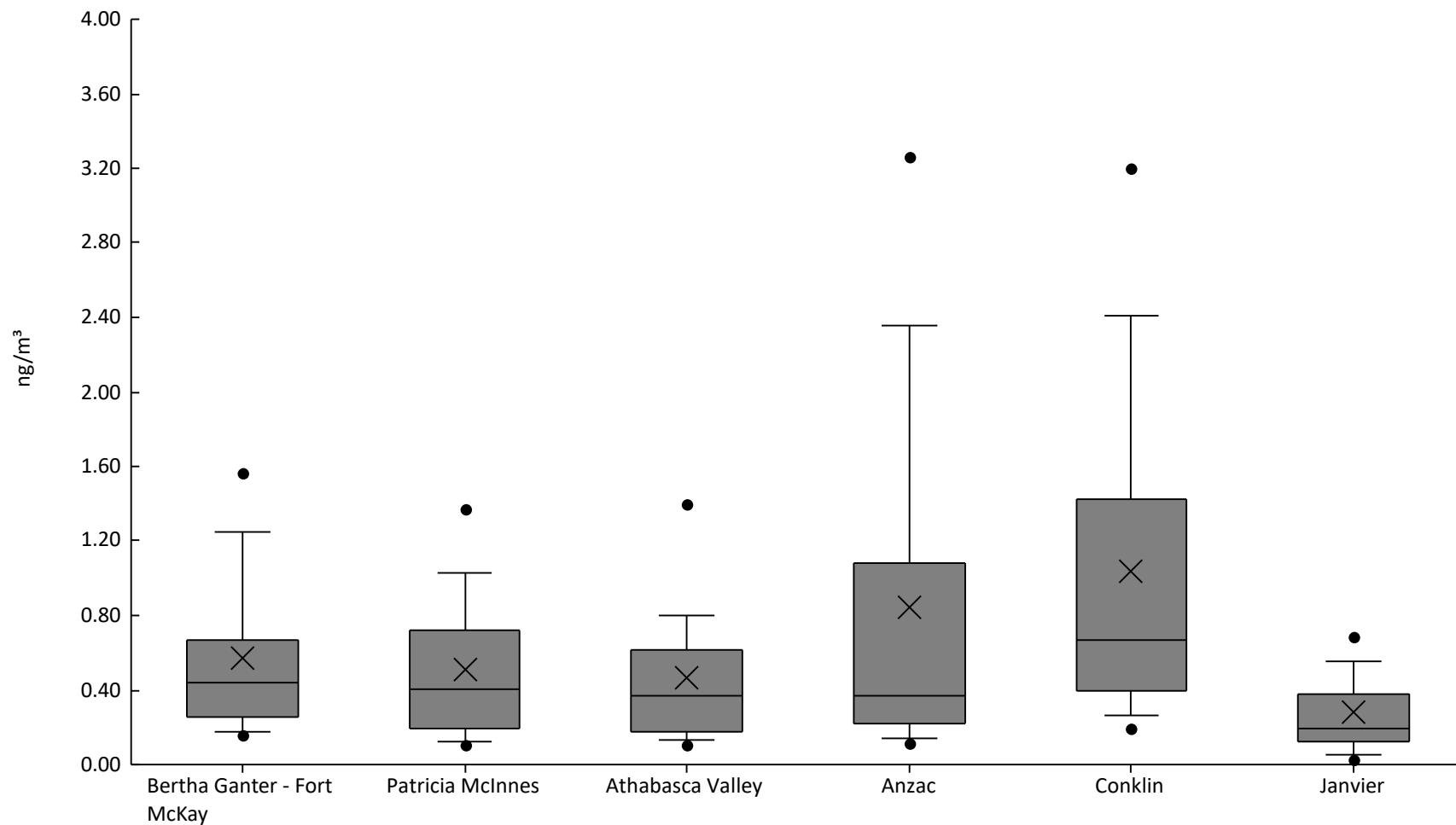
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	0.97	1.2	1.6	1.9	2.8	4.3	6.2	9.2	10	3.4	2.2
AMS06	Patricia McInnes	60	100%	0.51	0.71	0.88	1.3	2.3	4.4	6.3	9.6	13	3.2	2.7
AMS07	Athabasca Valley	60	100%	0.5	0.75	0.92	1.2	1.9	3.5	4.9	7	14	2.8	2.4
AMS14	Anzac	61	100%	0.47	0.75	0.85	1.3	3	9.2	15	17	20	5.6	5.5
AMS21	Conklin	61	100%	0.46	1	1.3	2.4	4.7	10	15	16	22	6.7	5.3
AMS22	Janvier	59	100%	0.13	0.34	0.65	0.95	1.3	2.1	3.5	4.2	11	1.8	1.7





Polycyclic Aromatic Hydrocarbons - Anthracene (ng/m<sup>3</sup>) - 2021

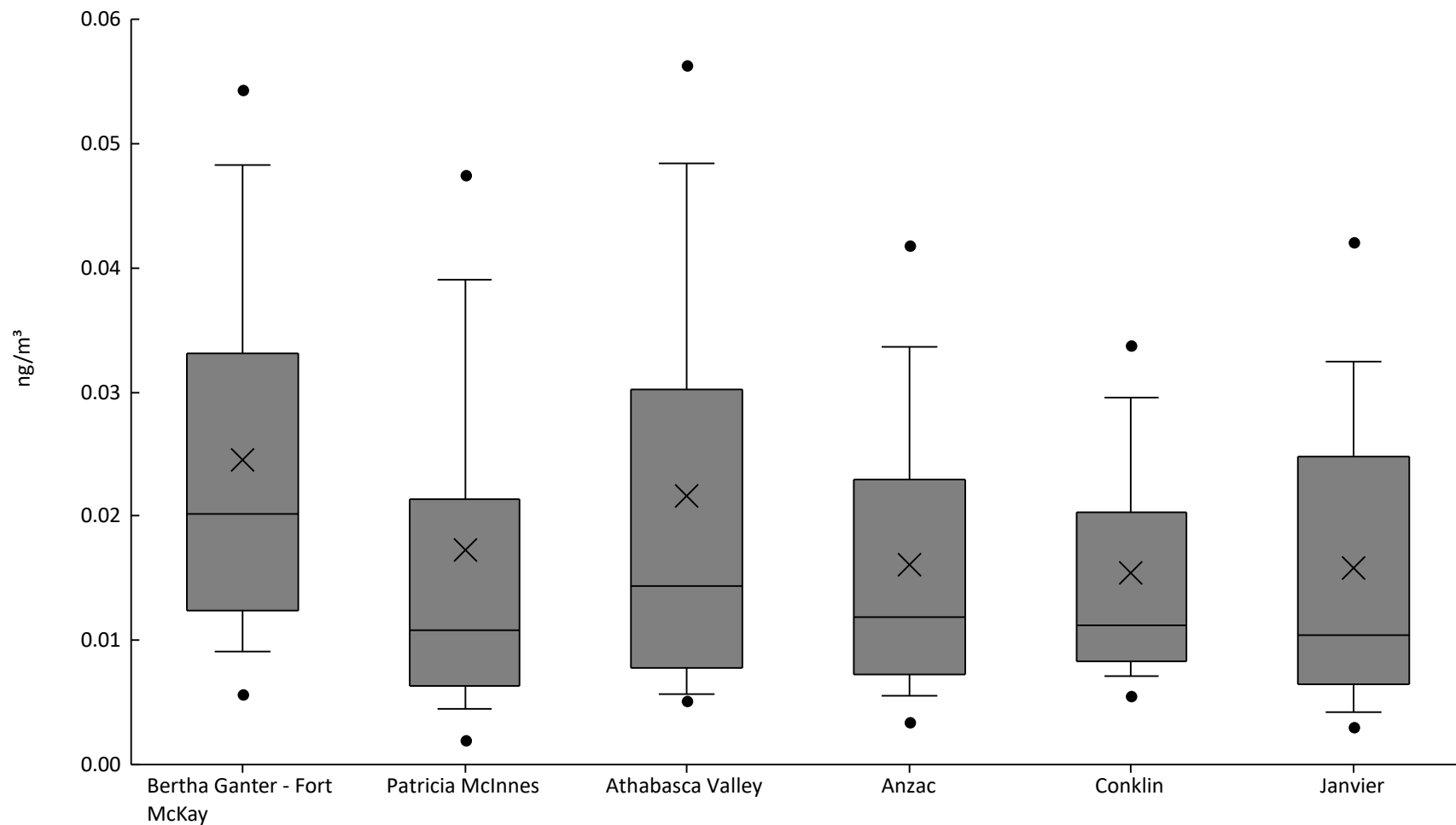
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	0.14	0.16	0.18	0.25	0.44	0.67	1.2	1.6	2.1	0.57	0.44
AMS06	Patricia McInnes	60	100%	0.036	0.11	0.13	0.19	0.41	0.72	1	1.4	1.7	0.51	0.39
AMS07	Athabasca Valley	60	100%	0.064	0.1	0.13	0.17	0.37	0.62	0.8	1.4	2.2	0.47	0.43
AMS14	Anzac	61	100%	0.061	0.11	0.14	0.22	0.37	1.1	2.4	3.3	4.3	0.84	0.99
AMS21	Conklin	61	100%	0.079	0.19	0.26	0.39	0.67	1.4	2.4	3.2	4.7	1	0.98
AMS22	Janvier	59	100%	0.017	0.028	0.053	0.13	0.19	0.38	0.56	0.68	1.8	0.28	0.27





Polycyclic Aromatic Hydrocarbons - Acridine (ng/m<sup>3</sup>) - 2021

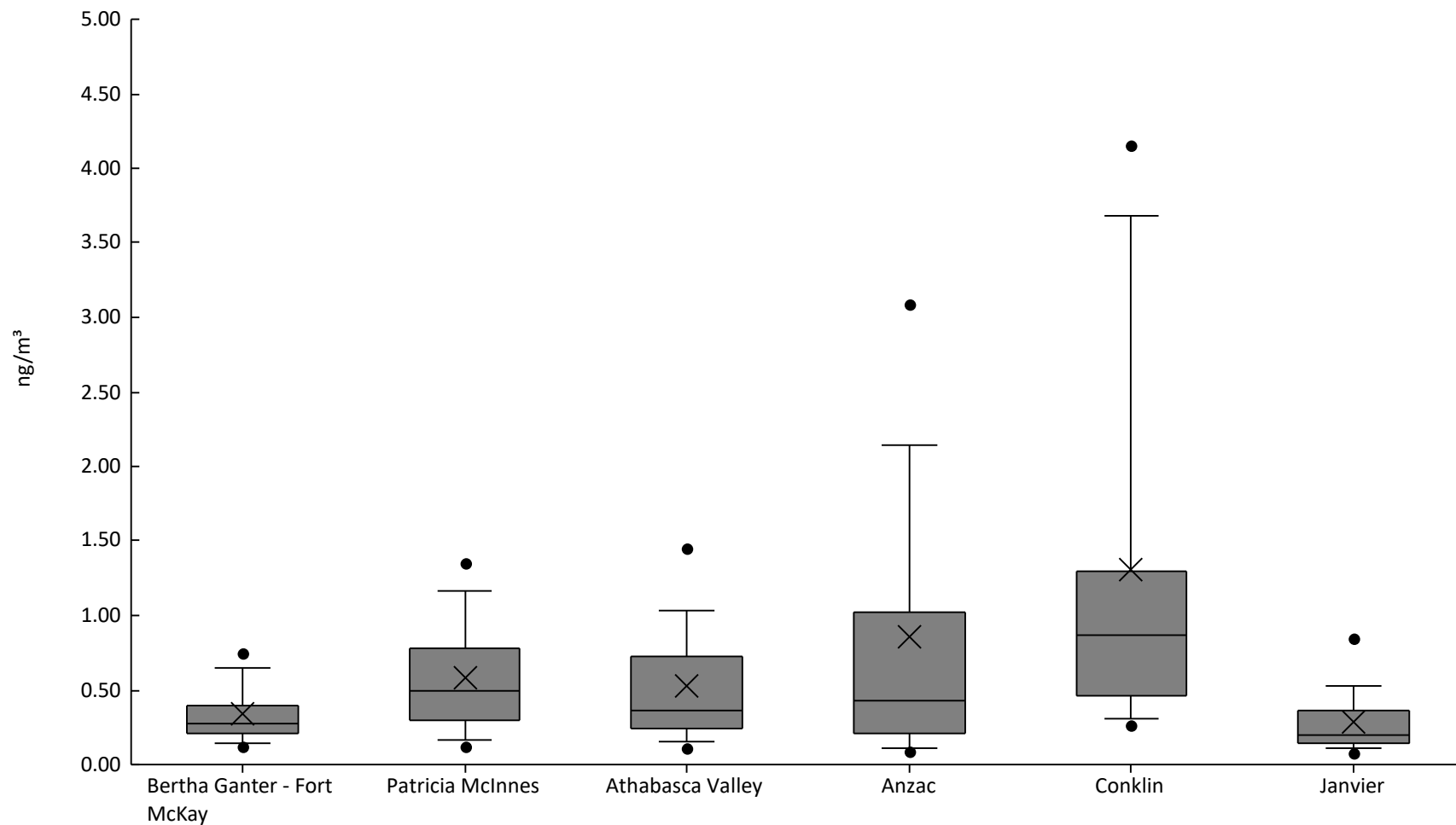
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	4E-3	5.6E-3	9E-3	0.012	0.02	0.033	0.048	0.054	0.062	0.025	0.015
AMS06	Patricia McInnes	60	100%	1.7E-3	2E-3	4.4E-3	6.3E-3	0.011	0.021	0.039	0.047	0.089	0.017	0.017
AMS07	Athabasca Valley	60	100%	1.4E-3	5.1E-3	5.7E-3	7.8E-3	0.014	0.03	0.048	0.056	0.098	0.022	0.019
AMS14	Anzac	61	100%	1.8E-3	3.4E-3	5.5E-3	7.2E-3	0.012	0.023	0.034	0.042	0.063	0.016	0.012
AMS21	Conklin	61	100%	2.9E-3	5.5E-3	7.1E-3	8.3E-3	0.011	0.02	0.029	0.034	0.064	0.015	0.011
AMS22	Janvier	59	100%	2.3E-3	3E-3	4.3E-3	6.4E-3	0.01	0.025	0.032	0.042	0.054	0.016	0.013





Polycyclic Aromatic Hydrocarbons - Fluoranthene (ng/m<sup>3</sup>) - 2021

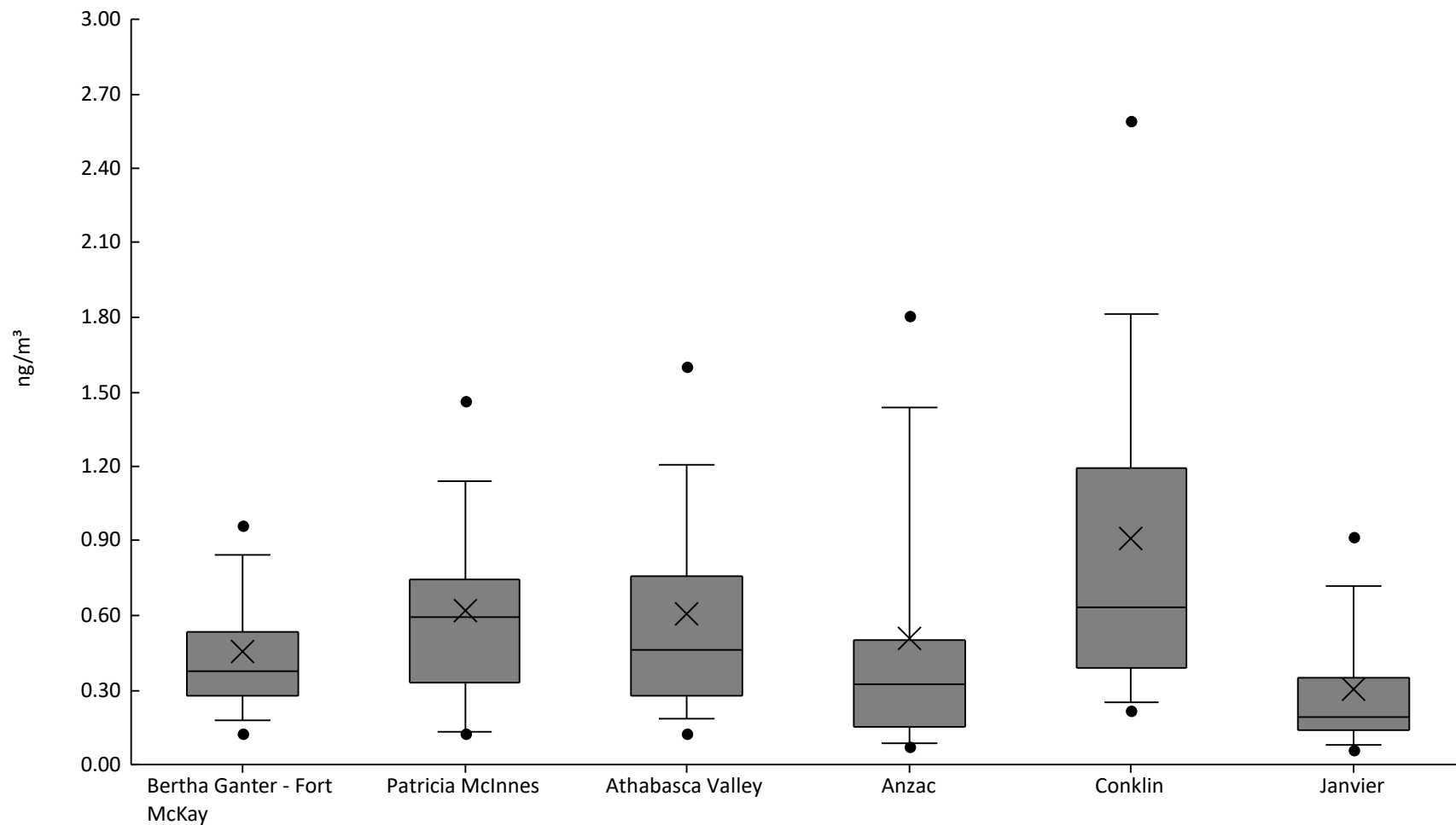
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	0.081	0.13	0.15	0.21	0.27	0.4	0.65	0.75	1.6	0.34	0.25
AMS06	Patricia McInnes	60	100%	0.1	0.13	0.17	0.3	0.5	0.78	1.2	1.4	2.2	0.58	0.41
AMS07	Athabasca Valley	60	100%	0.087	0.11	0.15	0.24	0.37	0.72	1	1.5	2.3	0.53	0.46
AMS14	Anzac	61	100%	0.085	0.086	0.11	0.2	0.43	1	2.1	3.1	6.3	0.85	1.2
AMS21	Conklin	61	100%	0.13	0.26	0.31	0.46	0.87	1.3	3.7	4.2	8.1	1.3	1.4
AMS22	Janvier	59	100%	0.052	0.079	0.11	0.14	0.2	0.36	0.52	0.85	1.1	0.28	0.22





Polycyclic Aromatic Hydrocarbons - Pyrene (ng/m<sup>3</sup>) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	0.073	0.13	0.18	0.27	0.37	0.54	0.84	0.96	1.6	0.45	0.29
AMS06	Patricia McInnes	60	100%	0.076	0.12	0.13	0.33	0.59	0.75	1.1	1.5	2.3	0.62	0.42
AMS07	Athabasca Valley	60	100%	0.09	0.13	0.19	0.28	0.46	0.76	1.2	1.6	2.6	0.61	0.49
AMS14	Anzac	61	100%	0.036	0.071	0.087	0.15	0.32	0.5	1.4	1.8	3.8	0.51	0.66
AMS21	Conklin	61	100%	0.091	0.22	0.25	0.39	0.64	1.2	1.8	2.6	4.3	0.91	0.8
AMS22	Janvier	59	100%	0.043	0.061	0.078	0.14	0.19	0.35	0.72	0.92	1.7	0.3	0.29

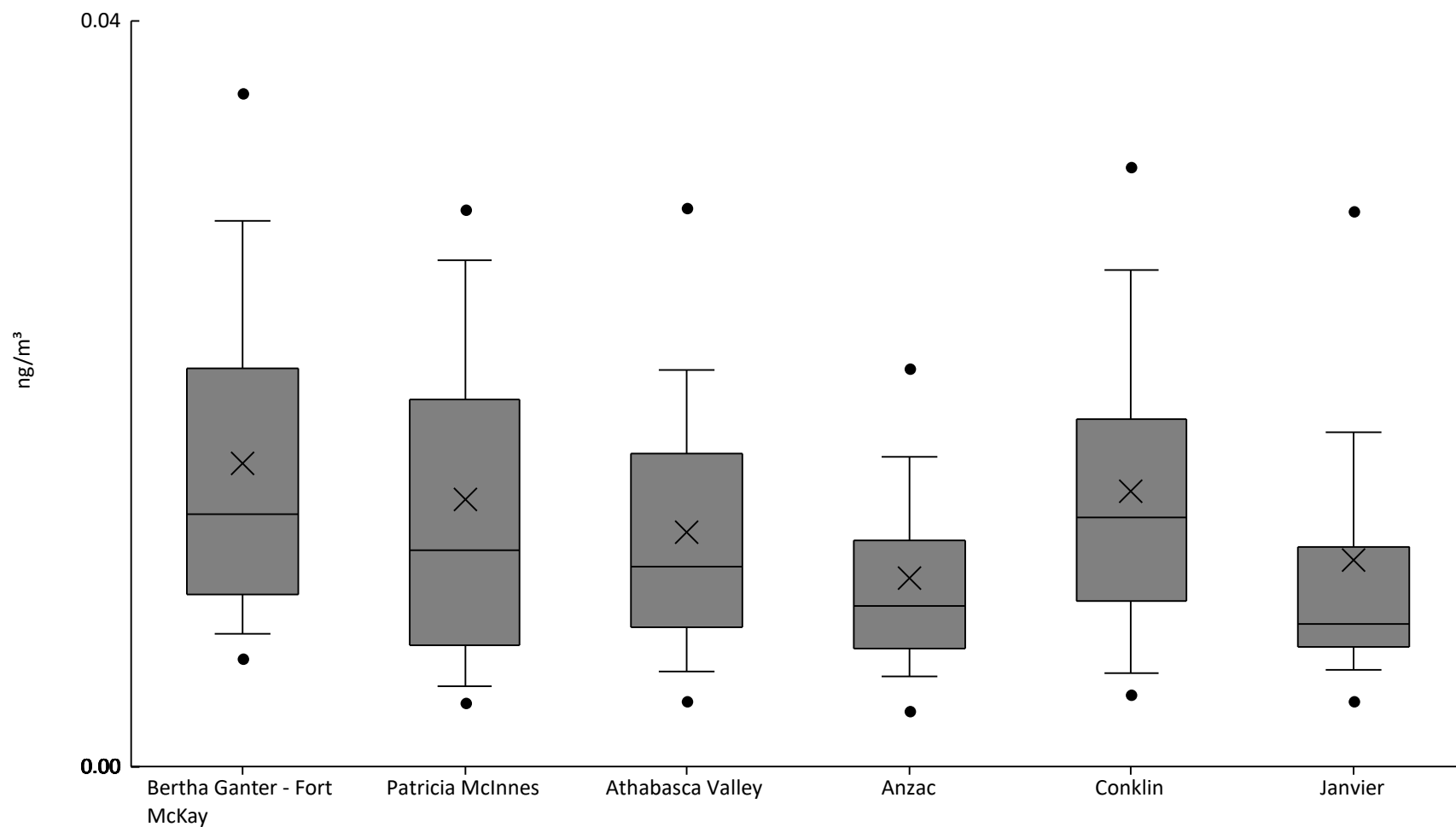






Polycyclic Aromatic Hydrocarbons - Benzo(c)phenanthrene (ng/m<sup>3</sup>) - 2021

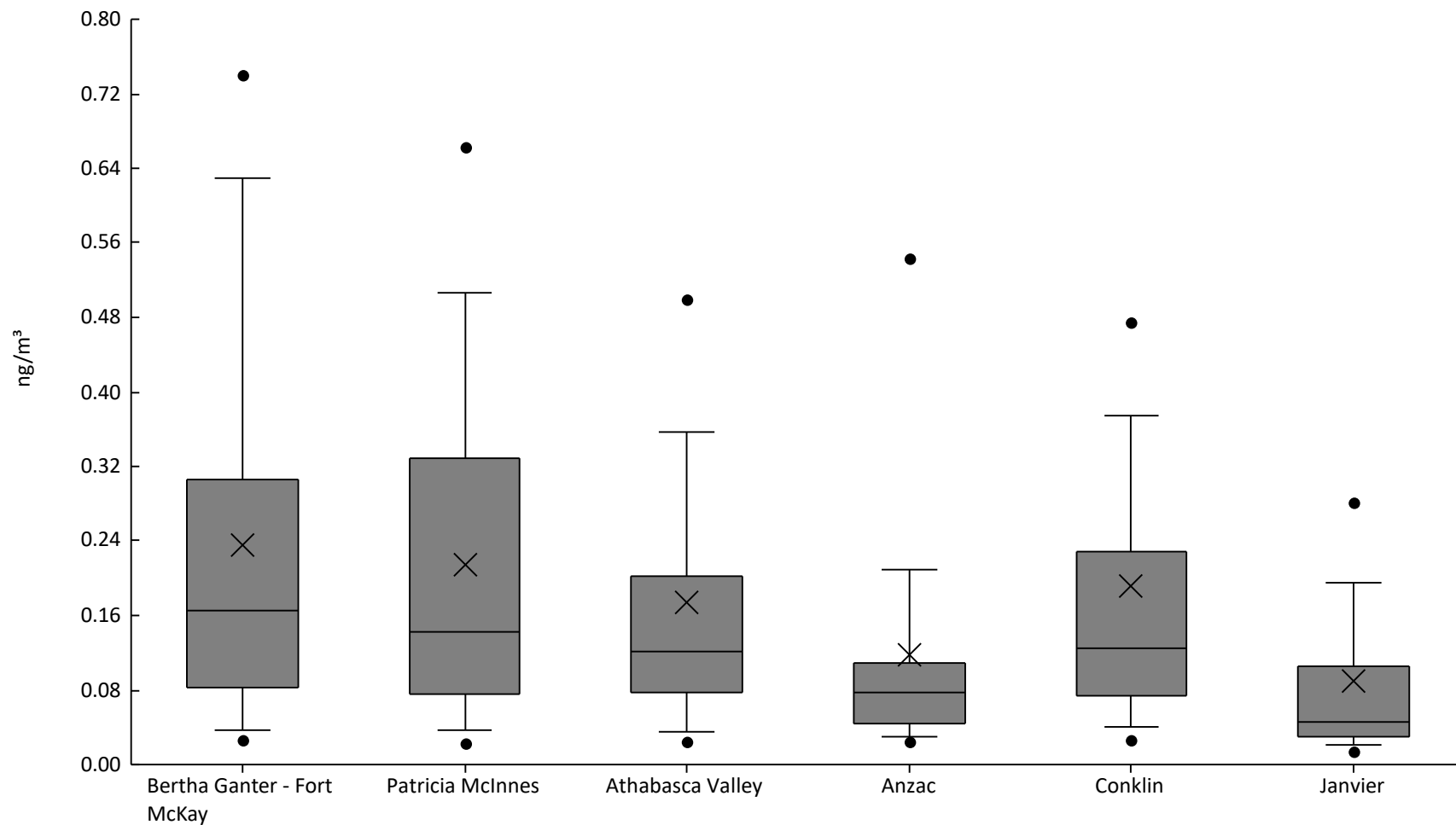
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	5.1E-3	5.8E-3	7.2E-3	9.3E-3	0.014	0.021	0.029	0.036	0.052	0.016	0.01
AMS06	Patricia McInnes	60	100%	2.1E-3	3.4E-3	4.3E-3	6.5E-3	0.012	0.02	0.027	0.03	0.067	0.014	0.01
AMS07	Athabasca Valley	60	100%	2.4E-3	3.5E-3	5.1E-3	7.4E-3	0.011	0.017	0.021	0.03	0.034	0.013	7.5E-3
AMS14	Anzac	61	100%	1.2E-3	3E-3	4.9E-3	6.3E-3	8.6E-3	0.012	0.017	0.021	0.033	0.01	5.7E-3
AMS21	Conklin	61	100%	2.3E-3	3.8E-3	5E-3	8.9E-3	0.013	0.019	0.027	0.032	0.049	0.015	9E-3
AMS22	Janvier	59	100%	2.4E-3	3.6E-3	5.2E-3	6.4E-3	7.6E-3	0.012	0.018	0.03	0.083	0.011	0.011





Polycyclic Aromatic Hydrocarbons - Benz(a)anthracene (ng/m<sup>3</sup>) - 2021

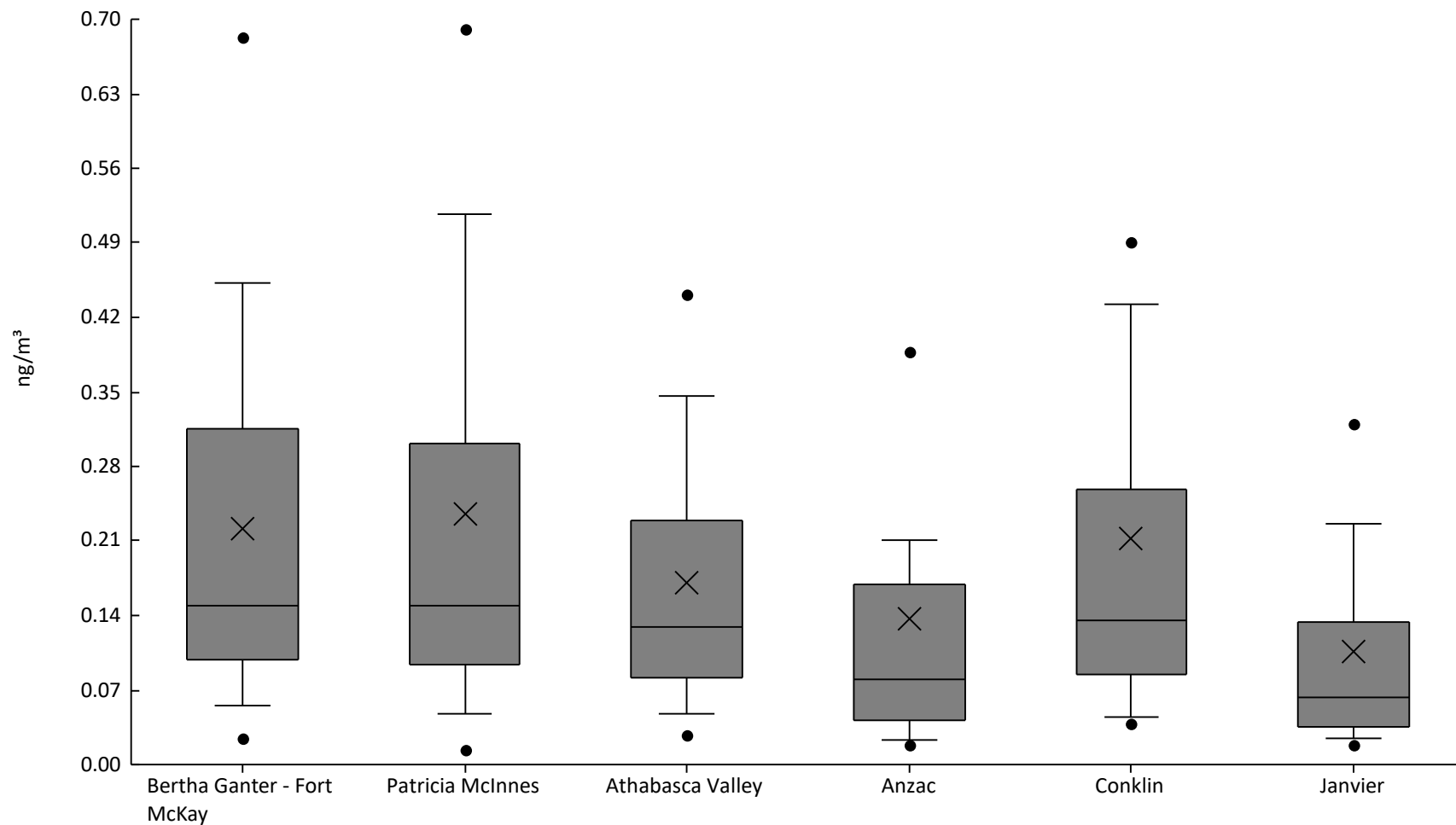
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	0.018	0.026	0.036	0.083	0.16	0.31	0.63	0.74	0.97	0.23	0.22
AMS06	Patricia McInnes	60	100%	9E-3	0.023	0.036	0.076	0.14	0.33	0.51	0.66	0.85	0.21	0.2
AMS07	Athabasca Valley	60	100%	0.016	0.025	0.035	0.078	0.12	0.2	0.36	0.5	1	0.17	0.18
AMS14	Anzac	61	100%	0.017	0.025	0.03	0.044	0.076	0.11	0.21	0.54	0.72	0.12	0.15
AMS21	Conklin	61	100%	0.017	0.026	0.04	0.073	0.12	0.23	0.37	0.47	1.6	0.19	0.23
AMS22	Janvier	59	100%	5.5E-3	0.015	0.021	0.029	0.046	0.11	0.2	0.28	0.6	0.09	0.1





Polycyclic Aromatic Hydrocarbons - Chrysene (ng/m<sup>3</sup>) - 2021

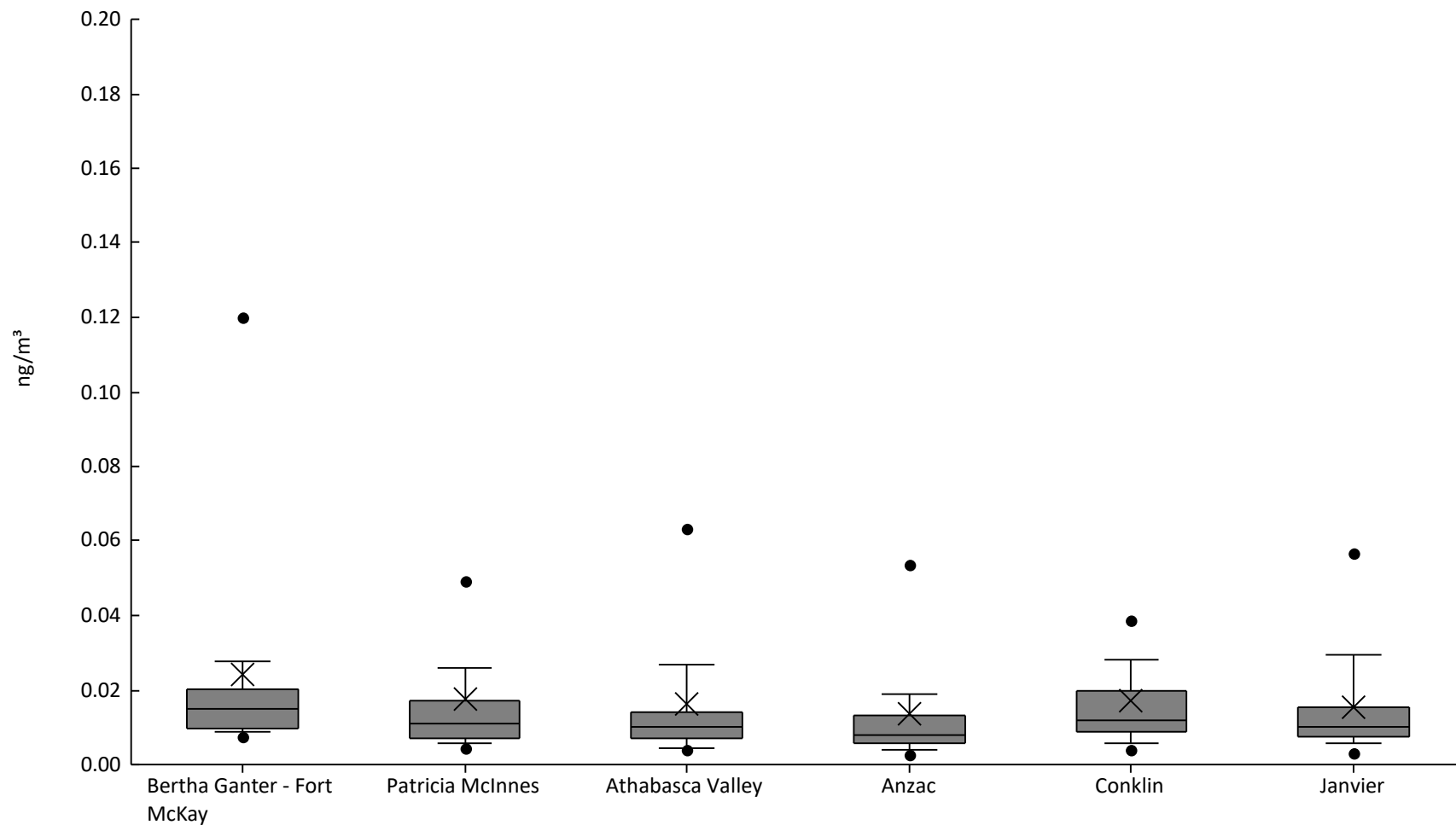
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	9.9E-3	0.024	0.055	0.099	0.15	0.31	0.45	0.68	0.75	0.22	0.18
AMS06	Patricia McInnes	60	100%	7.4E-3	0.014	0.047	0.094	0.15	0.3	0.52	0.69	1.3	0.24	0.23
AMS07	Athabasca Valley	60	100%	0.016	0.028	0.048	0.081	0.13	0.23	0.35	0.44	0.71	0.17	0.13
AMS14	Anzac	61	100%	3.4E-3	0.018	0.024	0.042	0.08	0.17	0.21	0.39	1.7	0.14	0.24
AMS21	Conklin	61	100%	0.016	0.039	0.044	0.085	0.14	0.26	0.43	0.49	1.8	0.21	0.25
AMS22	Janvier	59	100%	0.011	0.019	0.025	0.036	0.063	0.13	0.23	0.32	0.53	0.11	0.11





Polycyclic Aromatic Hydrocarbons - 7,12-Dimethylbenz(a)anthracene (ng/m<sup>3</sup>) - 2021

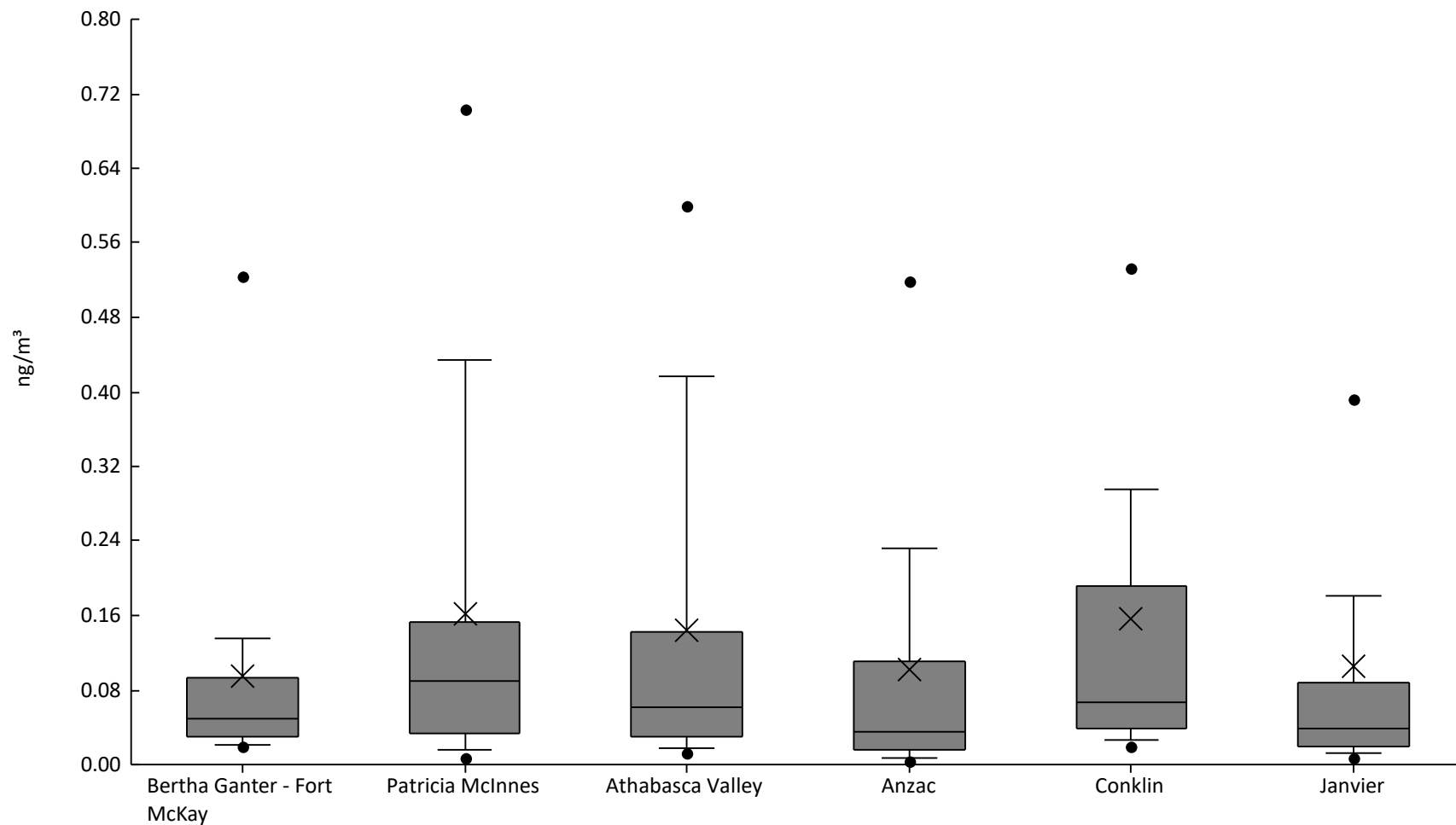
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	6.6E-3	7.6E-3	8.8E-3	9.9E-3	0.015	0.02	0.028	0.12	0.21	0.024	0.038
AMS06	Patricia McInnes	60	98%	1E-3	4.2E-3	5.6E-3	7.2E-3	0.011	0.017	0.026	0.049	0.16	0.018	0.026
AMS07	Athabasca Valley	60	100%	1.9E-3	4.2E-3	4.5E-3	6.9E-3	0.01	0.014	0.027	0.063	0.13	0.016	0.023
AMS14	Anzac	61	100%	1.5E-3	2.6E-3	3.9E-3	5.7E-3	8.1E-3	0.013	0.019	0.054	0.12	0.013	0.019
AMS21	Conklin	61	100%	3.1E-3	3.9E-3	5.6E-3	8.8E-3	0.012	0.02	0.028	0.039	0.13	0.017	0.018
AMS22	Janvier	59	100%	2E-3	3E-3	5.8E-3	7.6E-3	1E-2	0.015	0.03	0.057	0.085	0.015	0.017





Polycyclic Aromatic Hydrocarbons - Benzo(b)fluoranthene (ng/m<sup>3</sup>) - 2021

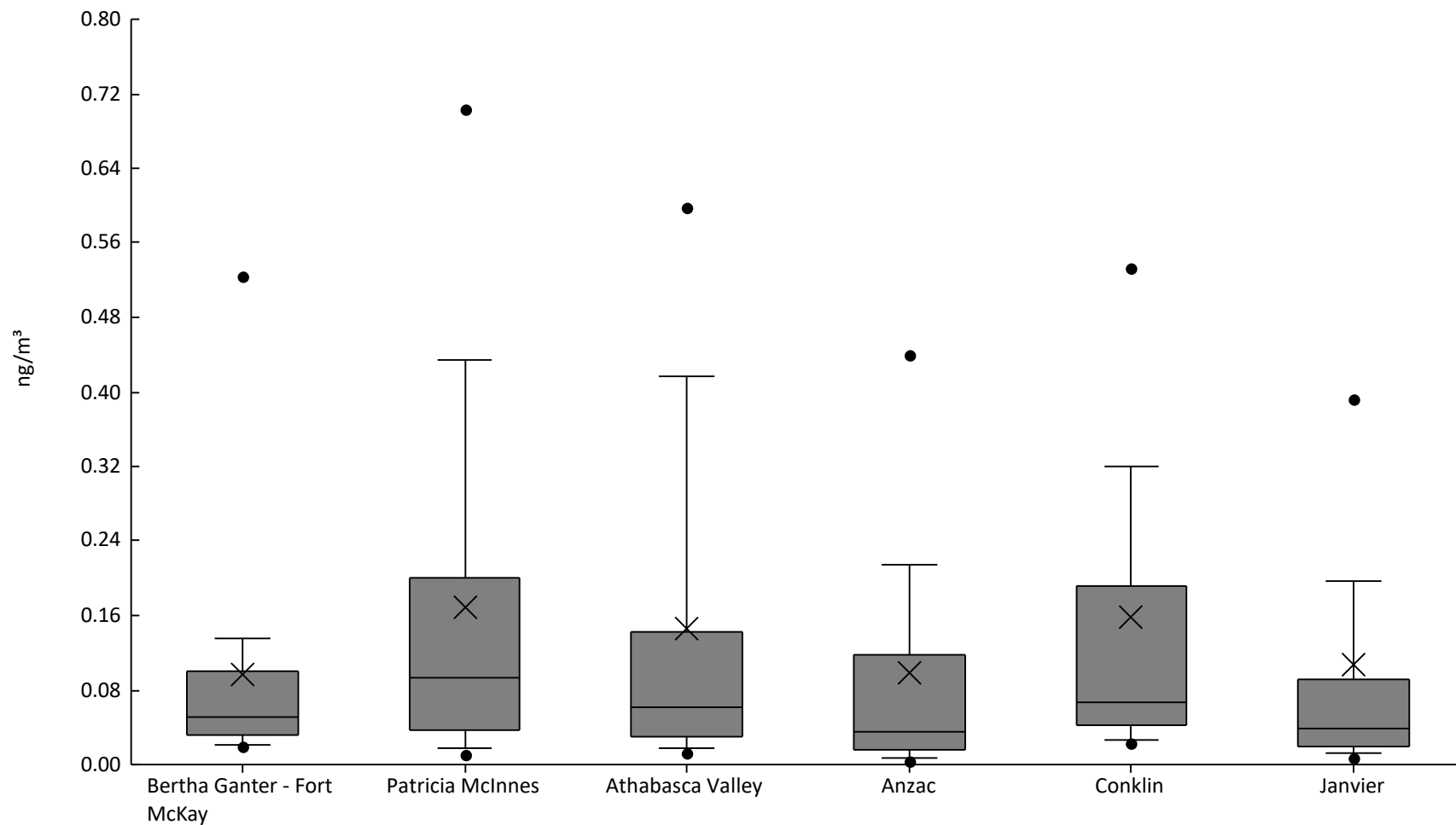
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	0.018	0.019	0.021	0.029	0.05	0.092	0.14	0.52	0.73	0.096	0.14
AMS06	Patricia McInnes	60	98%	0	7E-3	0.016	0.033	0.09	0.15	0.43	0.7	1.1	0.16	0.23
AMS07	Athabasca Valley	60	100%	0.011	0.012	0.017	0.029	0.062	0.14	0.42	0.6	1	0.14	0.21
AMS14	Anzac	61	100%	1.1E-3	4.3E-3	6.7E-3	0.015	0.035	0.11	0.23	0.52	0.88	0.1	0.17
AMS21	Conklin	61	100%	3.3E-3	0.02	0.026	0.039	0.066	0.19	0.3	0.53	1.4	0.16	0.25
AMS22	Janvier	59	100%	4.3E-3	7E-3	0.012	0.02	0.038	0.089	0.18	0.39	2	0.11	0.27





Polycyclic Aromatic Hydrocarbons - Benzo(k)fluoranthene (ng/m<sup>3</sup>) - 2021

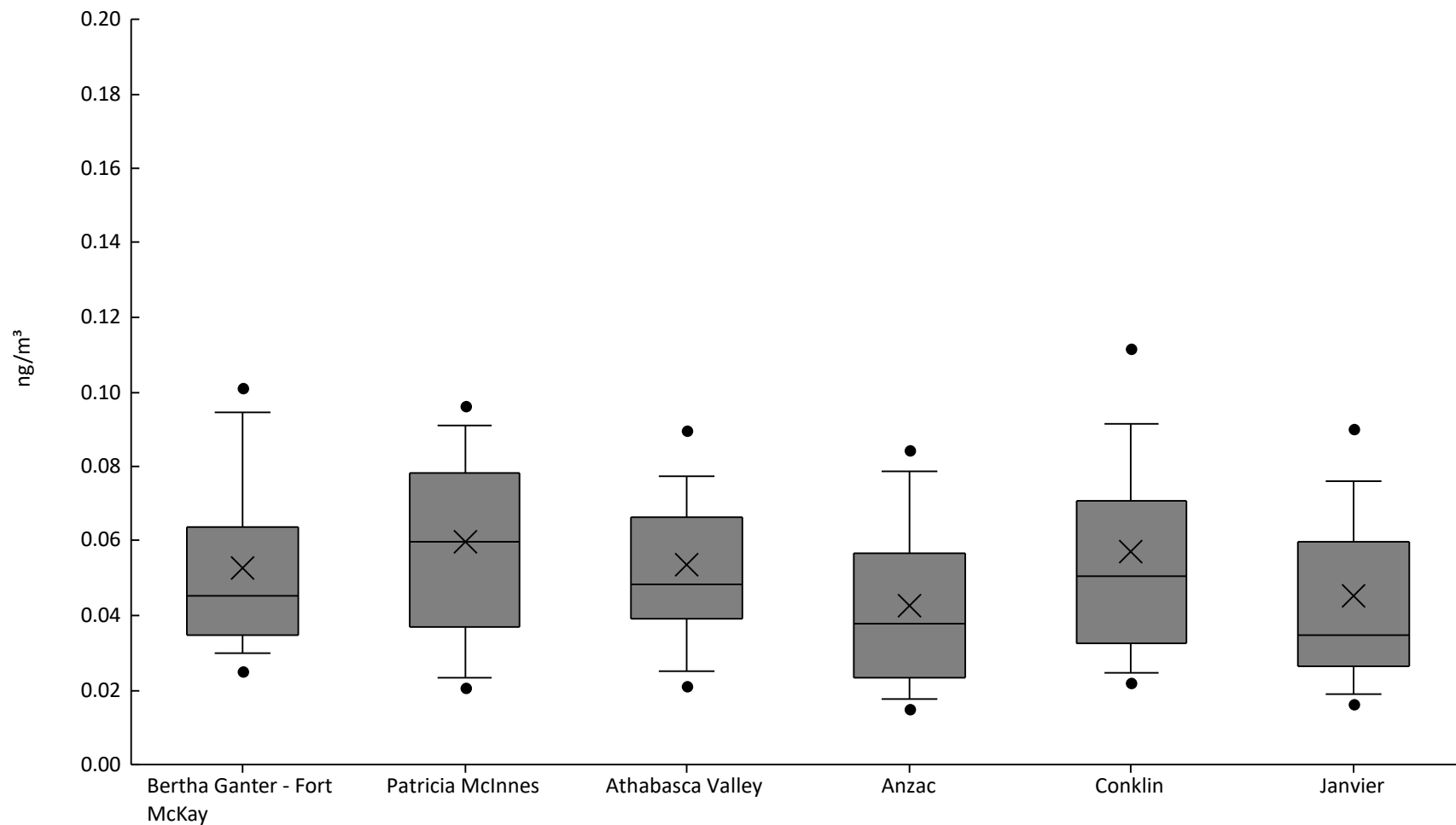
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	0.017	0.019	0.021	0.032	0.05	0.1	0.14	0.52	0.73	0.097	0.14
AMS06	Patricia McInnes	60	98%	0	0.011	0.018	0.037	0.093	0.2	0.43	0.7	1.1	0.17	0.23
AMS07	Athabasca Valley	60	100%	0.011	0.012	0.017	0.029	0.061	0.14	0.42	0.6	1.1	0.15	0.22
AMS14	Anzac	61	100%	1.1E-3	4.3E-3	6.7E-3	0.015	0.035	0.12	0.21	0.44	0.88	0.098	0.16
AMS21	Conklin	61	100%	0.014	0.022	0.026	0.042	0.066	0.19	0.32	0.53	1.4	0.16	0.25
AMS22	Janvier	59	100%	4.3E-3	7E-3	0.012	0.02	0.038	0.092	0.2	0.39	2	0.11	0.27





Polycyclic Aromatic Hydrocarbons - Benzo(a)pyrene (ng/m<sup>3</sup>) - 2021

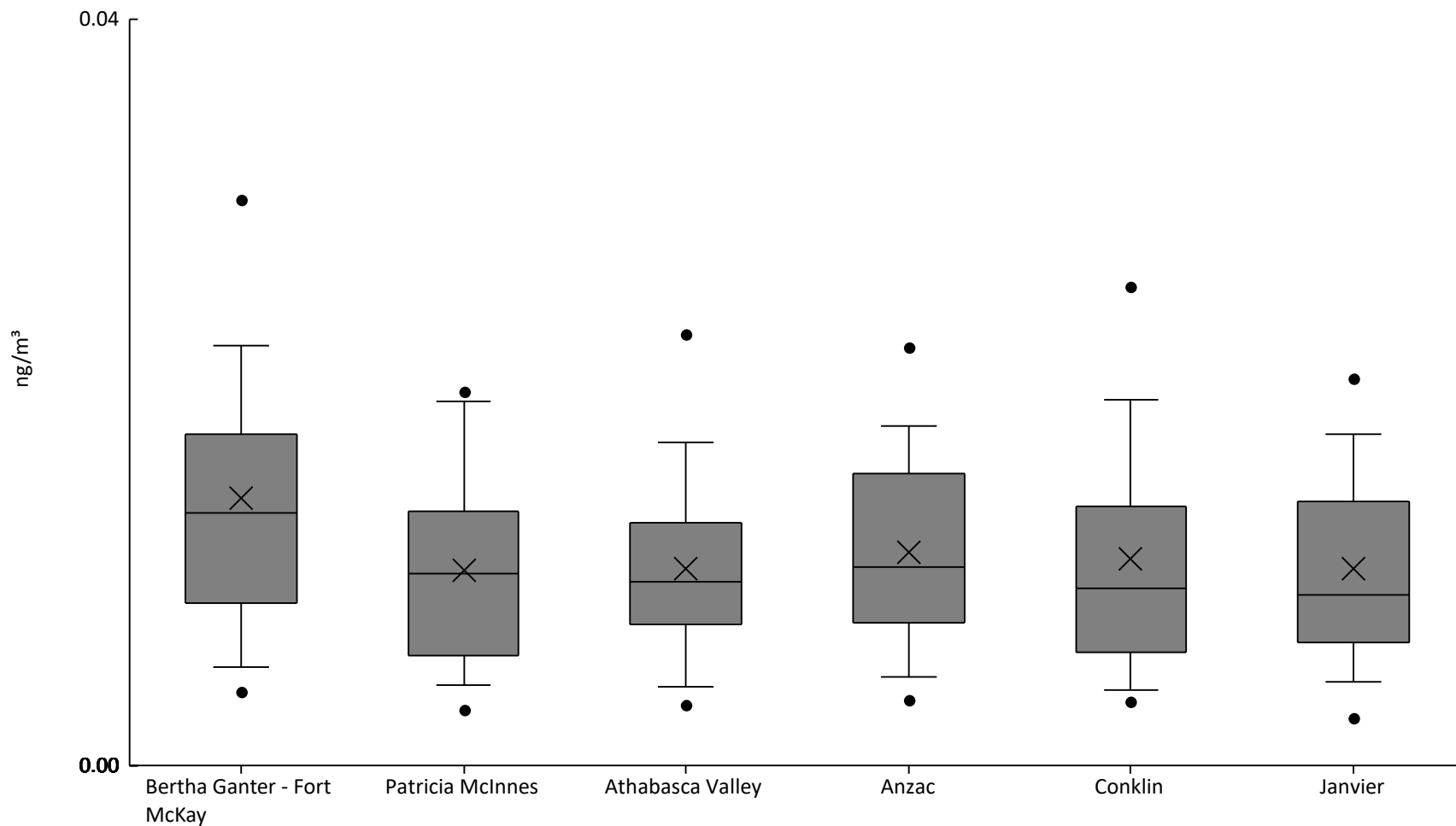
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	0.02	0.025	0.03	0.035	0.045	0.064	0.095	0.1	0.14	0.053	0.025
AMS06	Patricia McInnes	60	100%	0.014	0.021	0.023	0.037	0.06	0.078	0.091	0.096	0.19	0.06	0.03
AMS07	Athabasca Valley	60	100%	0.013	0.021	0.025	0.039	0.048	0.066	0.078	0.09	0.24	0.054	0.032
AMS14	Anzac	61	100%	0.011	0.015	0.018	0.023	0.038	0.057	0.079	0.085	0.1	0.043	0.023
AMS21	Conklin	61	100%	0.017	0.022	0.025	0.032	0.05	0.071	0.091	0.11	0.21	0.057	0.032
AMS22	Janvier	59	100%	0.013	0.016	0.019	0.026	0.035	0.06	0.076	0.09	0.25	0.045	0.035





Polycyclic Aromatic Hydrocarbons - 3-Methylcholanthrene (ng/m<sup>3</sup>) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	3.3E-3	4E-3	5.3E-3	8.7E-3	0.014	0.018	0.023	0.03	0.051	0.014	8.4E-3
AMS06	Patricia McInnes	60	100%	1.4E-3	3E-3	4.3E-3	5.9E-3	0.01	0.014	0.02	0.02	0.023	0.01	5.3E-3
AMS07	Athabasca Valley	60	100%	1.8E-3	3.3E-3	4.2E-3	7.6E-3	9.8E-3	0.013	0.017	0.023	0.025	0.011	5.2E-3
AMS14	Anzac	61	100%	1.9E-3	3.5E-3	4.7E-3	7.6E-3	0.011	0.016	0.018	0.022	0.028	0.011	5.8E-3
AMS21	Conklin	61	100%	1.7E-3	3.4E-3	4E-3	6.1E-3	9.5E-3	0.014	0.02	0.026	0.042	0.011	7.9E-3
AMS22	Janvier	59	100%	1.9E-3	2.6E-3	4.5E-3	6.6E-3	9.2E-3	0.014	0.018	0.021	0.034	0.011	6.1E-3

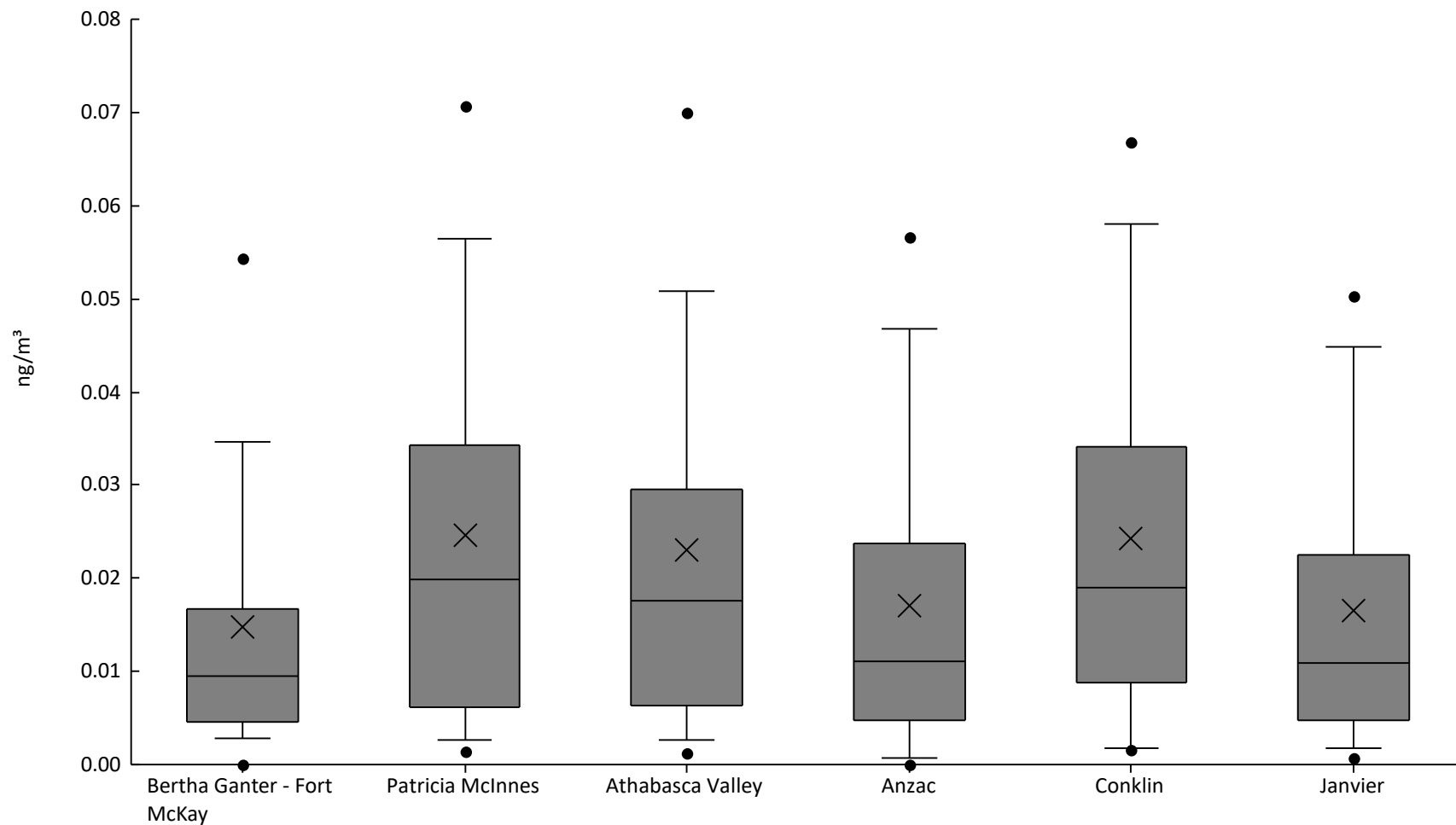






Polycyclic Aromatic Hydrocarbons - Indeno(123-cd)pyrene (ng/m<sup>3</sup>) - 2021

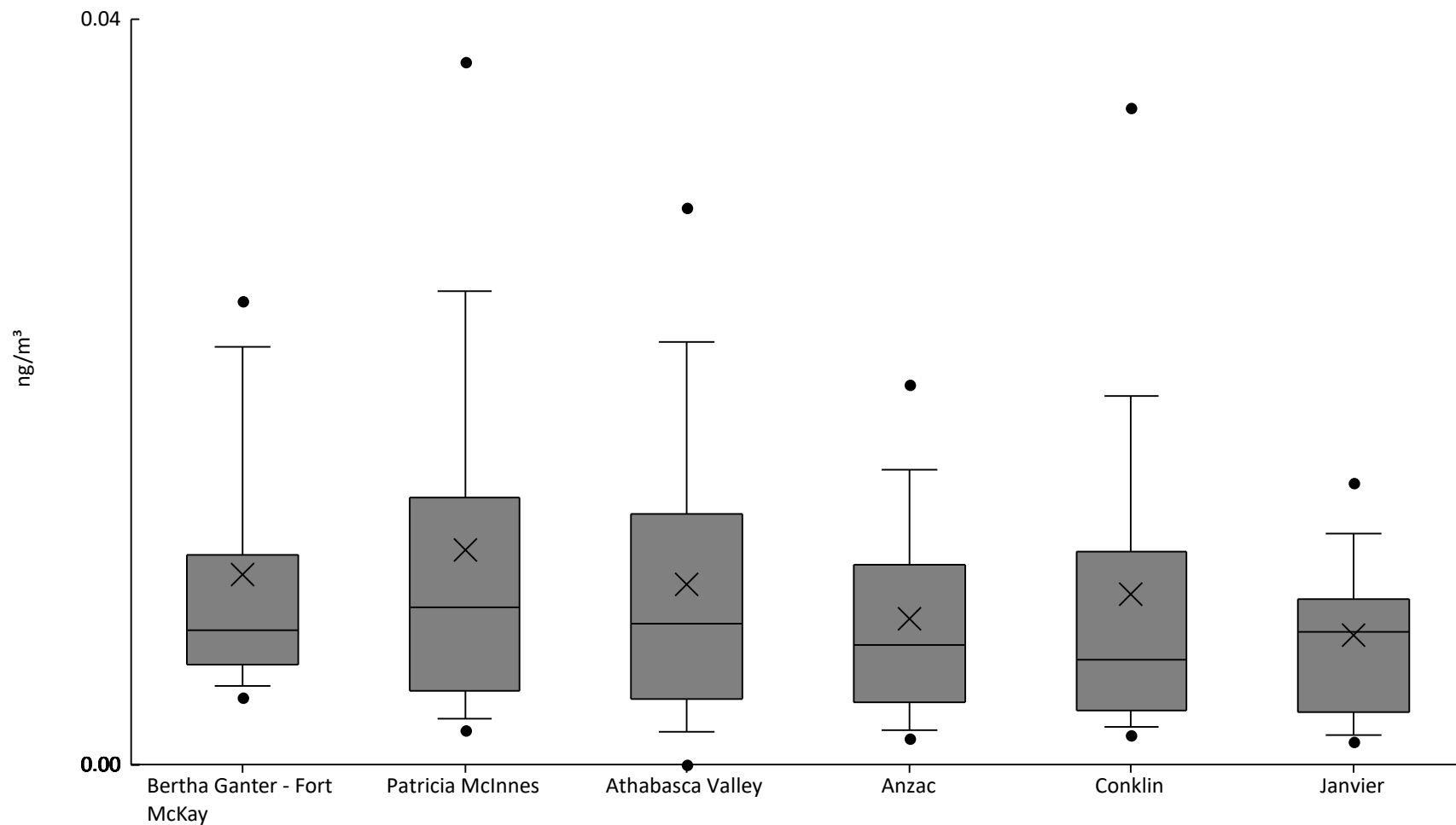
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	92%	0	0	2.8E-3	4.6E-3	9.5E-3	0.017	0.035	0.054	0.12	0.015	0.019
AMS06	Patricia McInnes	60	97%	0	1.4E-3	2.7E-3	6.2E-3	0.02	0.034	0.056	0.071	0.11	0.025	0.023
AMS07	Athabasca Valley	60	95%	0	1.3E-3	2.6E-3	6.4E-3	0.018	0.03	0.051	0.07	0.12	0.023	0.023
AMS14	Anzac	61	90%	0	0	7.5E-4	4.7E-3	0.011	0.024	0.047	0.057	0.082	0.017	0.018
AMS21	Conklin	61	98%	0	1.6E-3	1.7E-3	8.7E-3	0.019	0.034	0.058	0.067	0.093	0.024	0.022
AMS22	Janvier	59	95%	0	6.3E-4	1.8E-3	4.8E-3	0.011	0.023	0.045	0.05	0.064	0.016	0.016





Polycyclic Aromatic Hydrocarbons - Dibenz(a,h)anthracene (ng/m<sup>3</sup>) - 2021

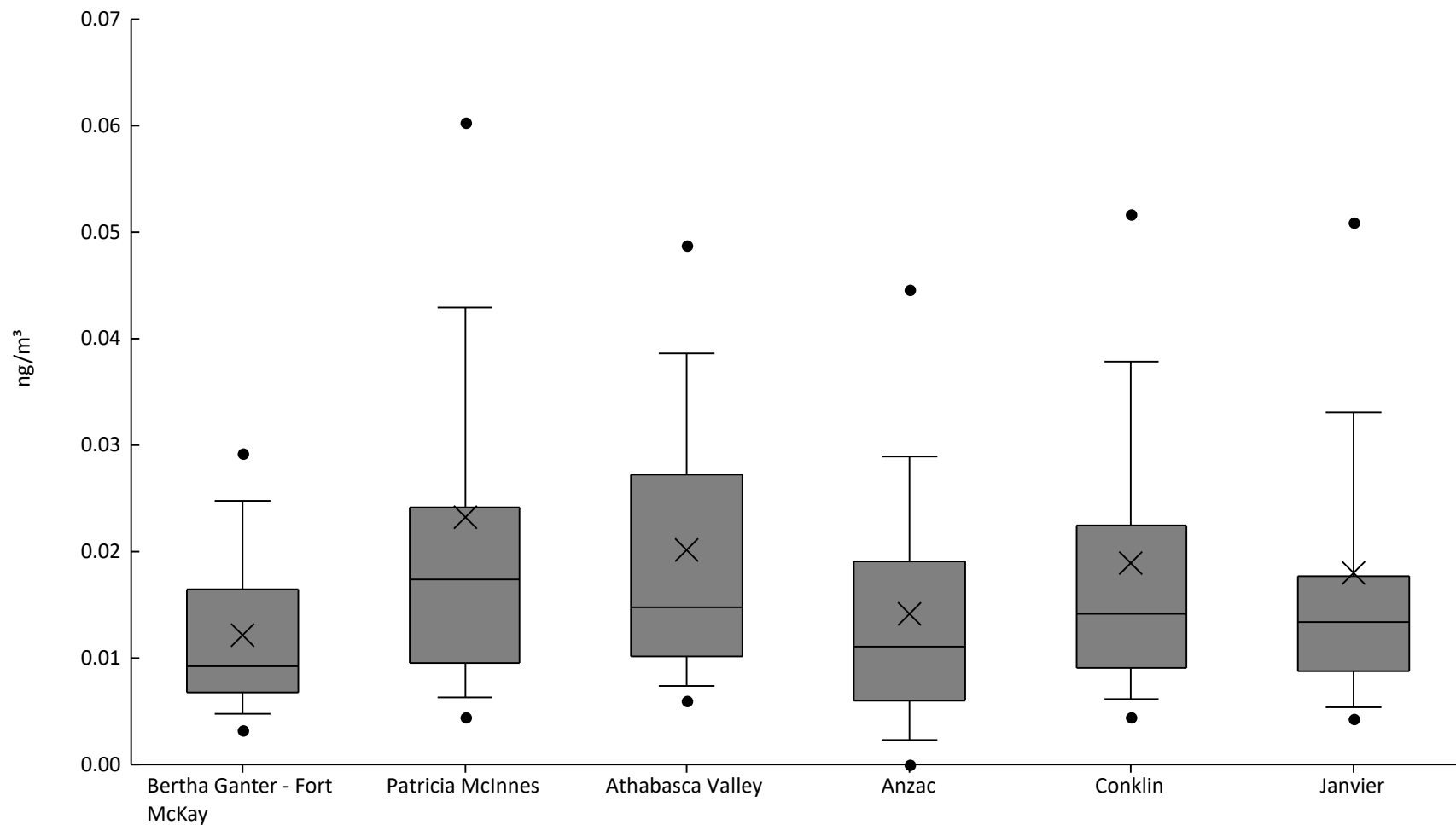
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	2.6E-3	3.6E-3	4.2E-3	5.3E-3	7.2E-3	0.011	0.022	0.025	0.052	0.01	8.3E-3
AMS06	Patricia McInnes	60	100%	1.2E-3	1.8E-3	2.4E-3	3.9E-3	8.4E-3	0.014	0.025	0.038	0.07	0.012	0.012
AMS07	Athabasca Valley	60	93%	0	0	1.7E-3	3.5E-3	7.5E-3	0.013	0.023	0.03	0.035	9.7E-3	8.3E-3
AMS14	Anzac	61	97%	0	1.4E-3	1.8E-3	3.4E-3	6.4E-3	0.011	0.016	0.02	0.028	7.9E-3	5.9E-3
AMS21	Conklin	61	100%	1.4E-3	1.6E-3	2E-3	2.9E-3	5.7E-3	0.011	0.02	0.035	0.05	9.2E-3	0.01
AMS22	Janvier	59	97%	0	1.2E-3	1.5E-3	2.9E-3	7.1E-3	8.9E-3	0.012	0.015	0.027	6.9E-3	4.8E-3





Polycyclic Aromatic Hydrocarbons - Benzo(ghi)perylene (ng/m<sup>3</sup>) - 2021

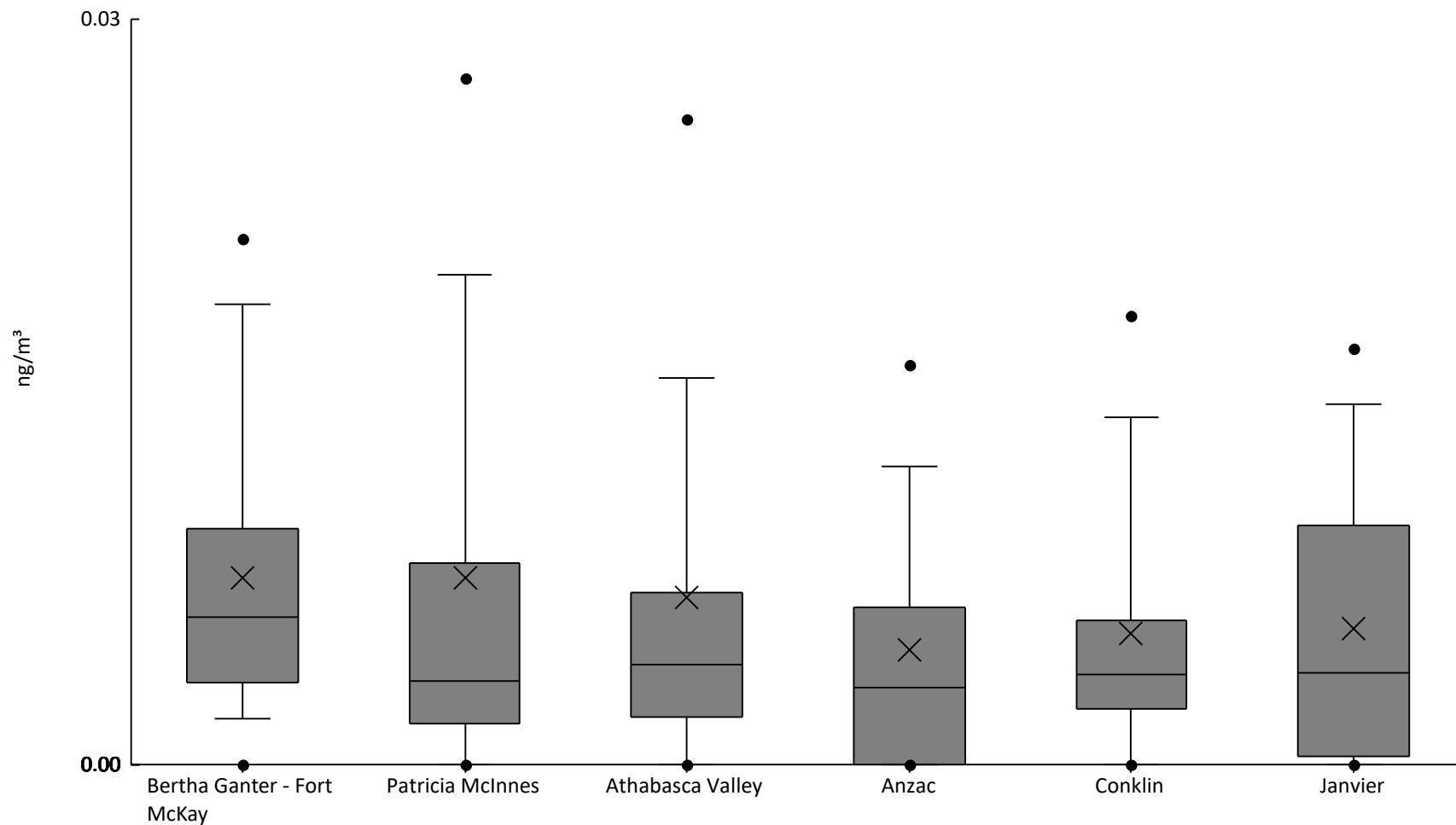
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	98%	0	3.3E-3	4.7E-3	6.8E-3	9.2E-3	0.017	0.025	0.029	0.039	0.012	8.2E-3
AMS06	Patricia McInnes	60	98%	0	4.4E-3	6.3E-3	9.5E-3	0.017	0.024	0.043	0.06	0.2	0.023	0.028
AMS07	Athabasca Valley	60	98%	0	6E-3	7.4E-3	0.01	0.015	0.027	0.039	0.049	0.091	0.02	0.015
AMS14	Anzac	61	93%	0	0	2.2E-3	6E-3	0.011	0.019	0.029	0.045	0.052	0.014	0.012
AMS21	Conklin	61	100%	3.2E-3	4.5E-3	6.1E-3	9.1E-3	0.014	0.022	0.038	0.052	0.098	0.019	0.016
AMS22	Janvier	59	97%	0	4.2E-3	5.4E-3	8.8E-3	0.013	0.018	0.033	0.051	0.13	0.018	0.019





Polycyclic Aromatic Hydrocarbons - Dibenzo(a,l)pyrene (ng/m<sup>3</sup>) - 2021

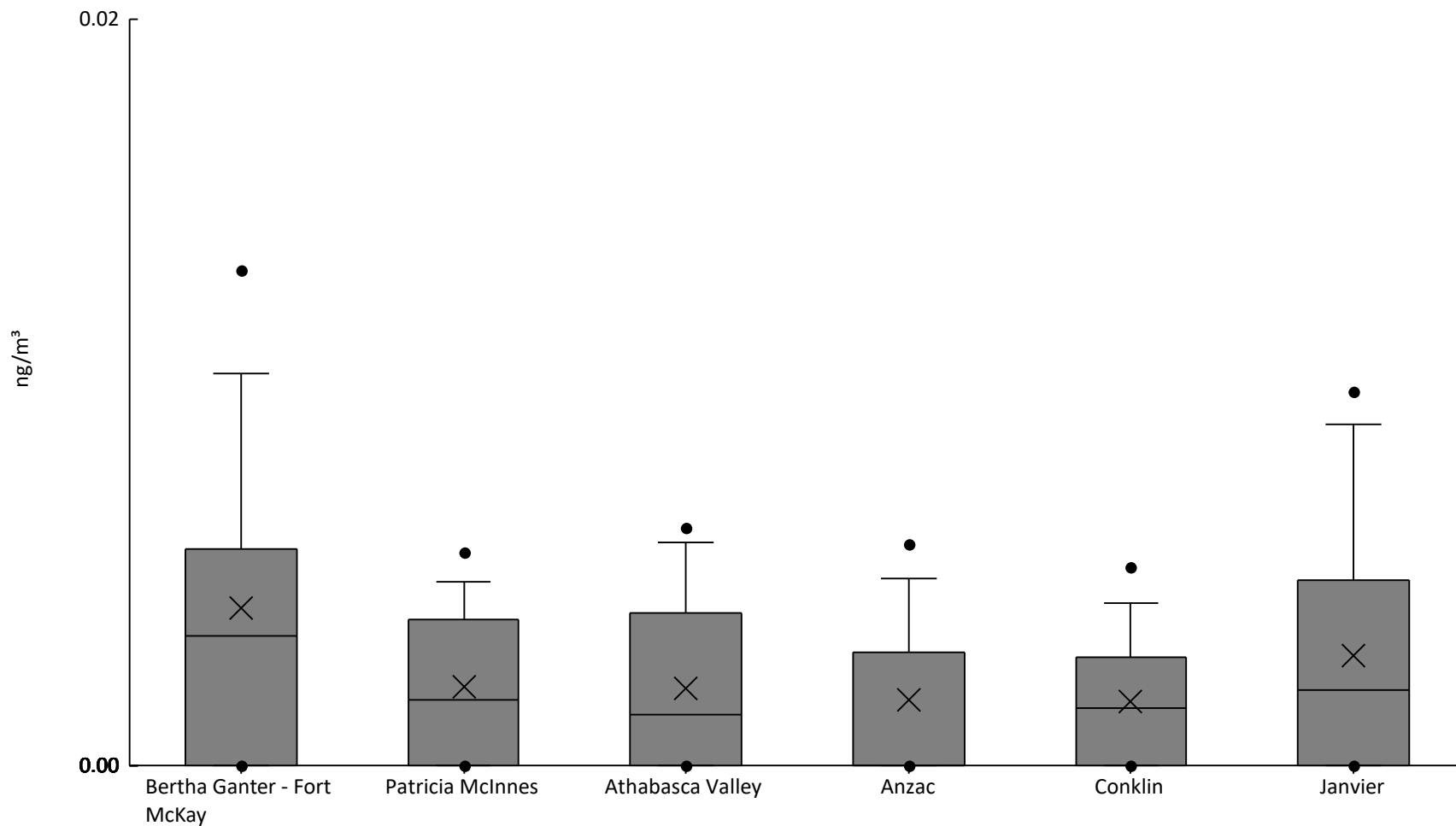
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	92%	0	0	1.9E-3	3.3E-3	6E-3	9.5E-3	0.019	0.021	0.026	7.5E-3	6.1E-3
AMS06	Patricia McInnes	60	82%	0	0	0	1.6E-3	3.3E-3	8.1E-3	0.02	0.028	0.058	7.5E-3	0.011
AMS07	Athabasca Valley	60	80%	0	0	0	1.9E-3	4E-3	7E-3	0.016	0.026	0.048	6.7E-3	8.9E-3
AMS14	Anzac	61	66%	0	0	0	0	3.1E-3	6.3E-3	0.012	0.016	0.029	4.6E-3	5.6E-3
AMS21	Conklin	61	84%	0	0	0	2.2E-3	3.6E-3	5.8E-3	0.014	0.018	0.025	5.3E-3	5.5E-3
AMS22	Janvier	59	75%	0	0	0	3.4E-4	3.7E-3	9.6E-3	0.015	0.017	0.024	5.5E-3	5.6E-3





Polycyclic Aromatic Hydrocarbons - Dibenzo(a,i)pyrene (ng/m<sup>3</sup>) - 2021

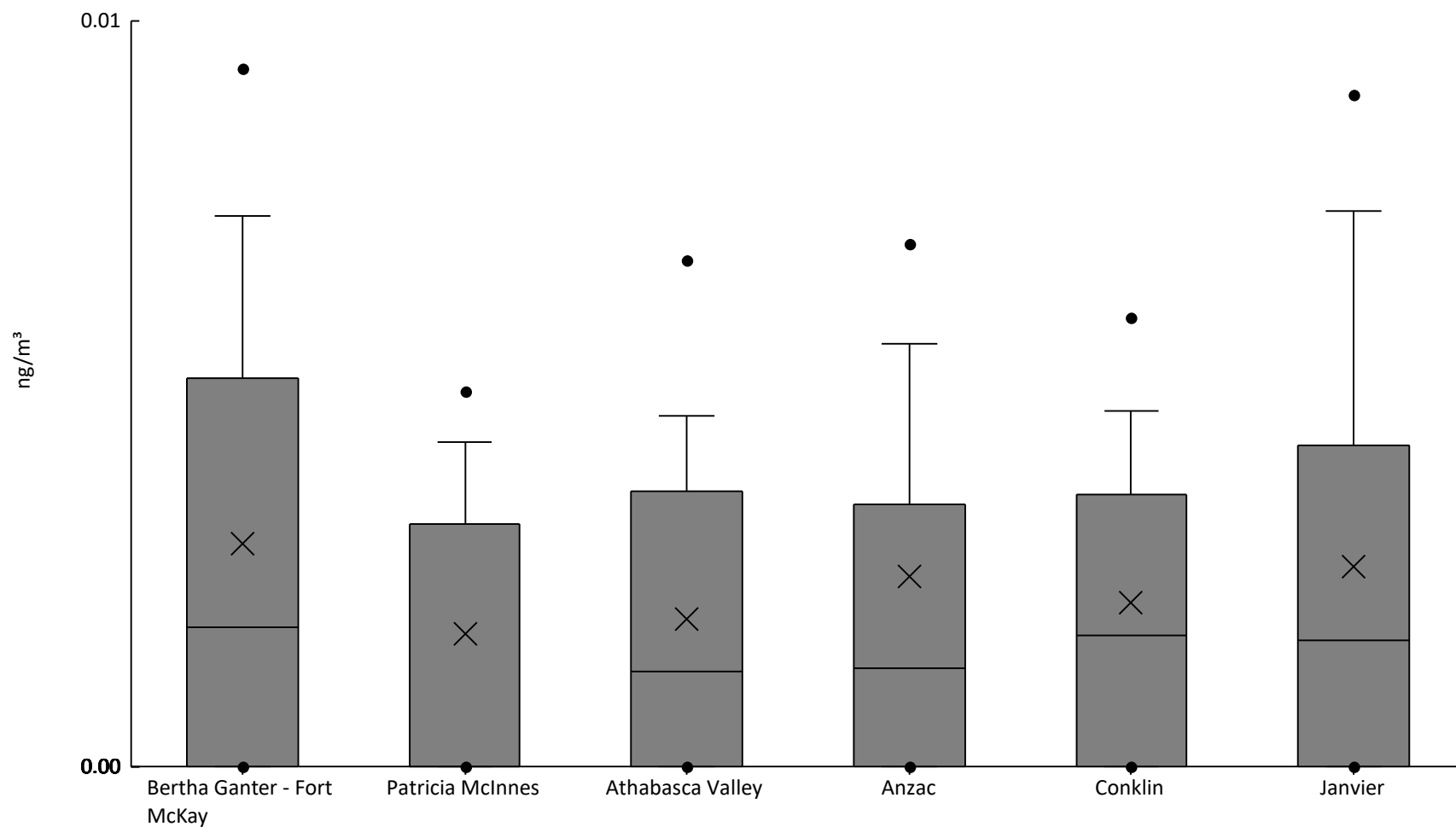
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	70%	0	0	0	0	3.5E-3	5.8E-3	0.011	0.013	0.018	4.2E-3	4.3E-3
AMS06	Patricia McInnes	60	60%	0	0	0	0	1.8E-3	3.9E-3	4.9E-3	5.7E-3	0.012	2.1E-3	2.4E-3
AMS07	Athabasca Valley	60	50%	0	0	0	0	1.3E-3	4.1E-3	6E-3	6.4E-3	7.3E-3	2.1E-3	2.3E-3
AMS14	Anzac	61	41%	0	0	0	0	0	3E-3	5E-3	6E-3	0.016	1.8E-3	2.7E-3
AMS21	Conklin	61	52%	0	0	0	0	1.5E-3	2.9E-3	4.4E-3	5.3E-3	7.3E-3	1.7E-3	1.9E-3
AMS22	Janvier	59	58%	0	0	0	0	2E-3	5E-3	9.1E-3	0.01	0.011	2.9E-3	3.5E-3





Polycyclic Aromatic Hydrocarbons - Dibenzo(a,h)pyrene (ng/m<sup>3</sup>) - 2021

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	53%	0	0	0	0	1.9E-3	5.2E-3	7.4E-3	9.4E-3	0.015	3E-3	3.5E-3
AMS06	Patricia McInnes	60	47%	0	0	0	0	0	3.3E-3	4.4E-3	5E-3	0.012	1.8E-3	2.4E-3
AMS07	Athabasca Valley	60	52%	0	0	0	0	1.3E-3	3.7E-3	4.7E-3	6.8E-3	8.2E-3	2E-3	2.3E-3
AMS14	Anzac	61	51%	0	0	0	0	1.3E-3	3.5E-3	5.7E-3	7E-3	0.036	2.5E-3	5E-3
AMS21	Conklin	61	59%	0	0	0	0	1.8E-3	3.6E-3	4.8E-3	6E-3	9.8E-3	2.2E-3	2.2E-3
AMS22	Janvier	59	58%	0	0	0	0	1.7E-3	4.3E-3	7.5E-3	9E-3	0.01	2.7E-3	3.1E-3



**WOOD BUFFALO ENVIRONMENTAL ASSOCIATION**

**INTEGRATED MONITORING PROGRAM  
ANNUAL REPORT**

**PRECIPITATION  
DATA SUMMARY  
2021**

Prepared  
March 2022

**SAMPLE COLLECTION AND DATA COMPILATION BY:**

**Wood Buffalo Environmental Association**  
Fort McMurray, Alberta

**LABORATORY ANALYSIS BY:**

Precipitation: Wisconsin State Laboratory of Hygiene  
Madison, WI

SAMPLE DESCRIPTION	Summary of Precipitation Measurement of ions, pH and conductivity
SAMPLING PERIOD	One week
SAMPLING INTERVAL	One week
UNITS	mg/L (milligram per liter)
OBSERVATION TYPE	Wet Precipitation
FIELD SAMPLING OR MEASUREMENT PRINCIPLE	moveable cover with precipitation sensors
MEDIUM	Polyethylene Collection bucket
ANALYTICALMETHODS	pH by pH meter Conductivity by Conductivity meter Ions by Ion Chromatography (IC) Anions by Ion Chromatography (IC) Cations by Inductively Coupled Plasma (ICP) Ammonium and phosphate by Flow Injection Analysis (FIA)
ANALYTICAL LABORATORY	NADP, Wisconsin State Laboratory of Hygiene
USER NOTE 1	Data are not blank corrected
SAMPLING INSTRUMENT TYPE	N-CON Precipitation Collector
QA REFERENCE	<a href="https://open.alberta.ca/publications/precipitation-chemistry-data-handling-and-preparation">https://open.alberta.ca/publications/precipitation-chemistry-data-handling-and-preparation</a>
FLAGS USED	
V0	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V4	Valid value despite failing to meet some QC or statistical criteria
V5	Valid value but qualified because of possible contamination
V6	Valid value but qualified due to non-standard sampling conditions
V8	Dry Week
V9	Insufficient sample collected for analyzes
V10	Insufficient data to conduct all quality control checks
M1	Missing value because no value is available
M2	Missing value because invalidated by Data Originator





**WOOD BUFFALO ENVIRONMENTAL ASSOCIATION**  
**Precipitation Volume Weighted Averages**  
**Bertha Ganter - Fort McKay**

2021

Month	Start Date	End Date	Total Precip (mm)	Volume Collected (mL)	Sulphate (mg/L)	Nitrate (mg/L)	Chloride (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Ammonium (mg/L)
January	Jan-03	Feb-01	4.6	298.6	0.77	1.70	0.15	0.05	0.15	3.15	0.29	0.11
February	Feb-01	Mar-03	10.5	735.9	0.87	1.22	0.21	0.08	0.20	3.19	0.44	0.05
March	Mar-03	Mar-30	11.7	580.9	1.09	0.97	0.18	0.05	0.17	2.92	0.37	0.09
April	Mar-30	May-03	7.9	467.4	2.25	1.60	0.21	0.08	0.25	2.89	0.34	0.42
May	May-03	Jun-01	44.1	2972.9	0.96	0.60	0.06	0.03	0.10	0.72	0.10	0.24
June	Jun-01	Jun-30	58.3	4096.6	0.46	0.25	0.05	0.04	0.04	0.40	0.04	0.04
July	Jun-30	Aug-03	40.3	2819.9	0.71	0.59	0.04	0.03	0.04	0.52	0.07	0.23
August	Aug-03	Aug-30	33.3	2833.5	1.27	1.03	0.06	0.09	0.06	1.07	0.12	0.57
September	Aug-30	Sep-29	73.6	5077.1	0.45	0.44	0.02	0.02	0.03	0.24	0.04	0.17
October	Sep-29	Nov-03	10.1	672.9	0.84	0.71	0.03	0.01	0.04	0.67	0.07	0.48
November	Nov-03	Nov-29	21.4	1117.6	0.53	0.88	0.07	0.08	0.10	2.46	0.19	0.10
December	Nov-29	Dec-29	34.9	1437.2	0.34	0.98	0.08	0.05	0.08	1.01	0.15	0.05
<b>Annual VWA</b>	<b>Jan-03-2021</b>	<b>Dec-29-2021</b>	<b>350.7</b>	<b>23110.5</b>	<b>0.73</b>	<b>0.65</b>	<b>0.06</b>	<b>0.04</b>	<b>0.06</b>	<b>0.85</b>	<b>0.10</b>	<b>0.21</b>



**WOOD BUFFALO ENVIRONMENTAL ASSOCIATION**  
**Precipitation Sample Collection Efficiencies**  
**Bertha Ganter - Fort McKay**

**2021**

**Collector Model: N-CON**

<b>Start Date</b>	<b>End Date</b>	<b>Total Precip (mm)</b>	<b>Volume Collected (mL)</b>	<b>Collection Efficiency (%)</b>
Jan-03-2021	Jan-11-2021	0.0	0.6	-
Jan-11-2021	Jan-18-2021	0.5	27.3	91%
Jan-18-2021	Jan-26-2021	3.1	188.6	94%
Jan-26-2021	Feb-01-2021	1.0	82.1	128%
Feb-01-2021	Feb-08-2021	0.6	90.0	242%
Feb-08-2021	Feb-16-2021	2.4	191.3	123%
Feb-16-2021	Feb-23-2021	0.7	60.0	134%
Feb-23-2021	Mar-03-2021	6.8	394.6	90%
Mar-03-2021	Mar-09-2021	2.3	119.8	82%
Mar-09-2021	Mar-15-2021	0.1	3.6	51%
Mar-15-2021	Mar-22-2021	3.0	184.3	97%
Mar-22-2021	Mar-30-2021	6.3	273.2	68%
Mar-30-2021	Apr-06-2021	0.0	0.0	-
Apr-06-2021	Apr-13-2021	2.5	161.1	101%
Apr-13-2021	Apr-20-2021	0.5	24.5	80%
Apr-20-2021	Apr-26-2021	0.7	56.0	127%
Apr-26-2021	May-03-2021	4.3	225.8	82%
May-03-2021	May-11-2021	0.4	20.7	87%
May-11-2021	May-18-2021	8.5	589.8	108%
May-18-2021	May-25-2021	0.0	0.4	-
May-25-2021	Jun-01-2021	35.2	2362.0	105%
Jun-01-2021	Jun-07-2021	16.3	1146.1	110%
Jun-07-2021	Jun-14-2021	25.5	1759.6	108%
Jun-14-2021	Jun-22-2021	12.4	893.3	112%
Jun-22-2021	Jun-30-2021	4.1	297.6	115%
Jun-30-2021	Jul-06-2021	4.5	325.6	114%
Jul-06-2021	Jul-13-2021	1.0	75.3	120%
Jul-13-2021	Jul-19-2021	4.6	319.8	108%
Jul-19-2021	Jul-26-2021	30.3	2099.2	108%
Jul-26-2021	Aug-03-2021	0.0	0.0	-
Aug-03-2021	Aug-09-2021	11.7	827.8	111%
Aug-09-2021	Aug-16-2021	8.0	584.8	114%
Aug-16-2021	Aug-24-2021	4.4	321.3	113%
Aug-24-2021	Aug-30-2021	9.2	1099.6	186%
Aug-30-2021	Sep-07-2021	44.5	3014.2	106%
Sep-07-2021	Sep-14-2021	2.8	237.7	133%
Sep-14-2021	Sep-22-2021	8.0	562.6	110%
Sep-22-2021	Sep-29-2021	18.3	1262.6	108%
Sep-29-2021	Oct-06-2021	0.1	8.3	162%
Oct-06-2021	Oct-12-2021	0.0	0.0	-
Oct-12-2021	Oct-19-2021	1.6	115.6	113%
Oct-19-2021	Oct-27-2021	8.3	544.6	102%
Oct-27-2021	Nov-03-2021	0.1	4.4	62%
Nov-03-2021	Nov-09-2021	2.6	172.5	104%
Nov-09-2021	Nov-17-2021	13.0	585.5	70%
Nov-17-2021	Nov-23-2021	3.5	235.7	104%
Nov-23-2021	Nov-29-2021	2.2	123.9	87%
Nov-29-2021	Dec-07-2021	27.9	906.0	51%
Dec-07-2021	Dec-15-2021	3.8	186.0	76%
Dec-15-2021	Dec-22-2021	0.2	54.1	469%
Dec-22-2021	Dec-29-2021	3.0	291.1	149%



**WOOD BUFFALO ENVIRONMENTAL ASSOCIATION**  
**Precipitation Volume Weighted Averages**  
**Wapasu**

**2021**

Month	Start Date	End Date	Total Precip (mm)	Volume Collected (mL)	Sulphate (mg/L)	Nitrate (mg/L)	Chloride (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Ammonium (mg/L)
January	Jan-03	Feb-02	9.6	499.5	0.49	0.96	0.07	0.01	0.04	0.54	0.11	0.07
February	Feb-02	Mar-02	15.1	899.7	0.68	0.90	0.12	0.03	0.07	1.10	0.22	0.04
March	Mar-02	Mar-30	14.2	495.6	0.63	0.95	0.14	0.03	0.11	3.77	0.42	0.06
April	Mar-30	May-03	13.4	673.1	0.83	0.69	0.08	0.03	0.07	2.05	0.20	0.18
May	May-03	Jun-01	29.9	2033.2	0.63	0.60	0.04	0.02	0.03	0.30	0.04	0.28
June	Jun-01	Jun-30	58.9	4031.7	0.23	0.17	0.06	0.06	0.03	0.31	0.03	0.03
July	Jun-30	Aug-03	74.1	5061.9	0.52	0.40	0.04	0.02	0.04	0.82	0.13	0.14
August	Aug-03	Aug-30	63.2	3597.9	0.67	0.74	0.05	0.06	0.05	0.54	0.07	0.33
September	Aug-30	Sep-29	82.3	5814.6	0.40	0.34	0.03	0.02	0.04	0.39	0.06	0.10
October	Sep-29	Nov-02	13.0	854.7	0.42	0.53	0.03	0.02	0.03	0.28	0.03	0.31
November	Nov-02	Nov-29	22.0	926.8	0.42	0.51	0.04	0.03	0.02	1.30	0.13	0.06
December	Nov-29	Dec-29	21.2	1103.5	0.29	0.78	0.07	0.03	0.04	0.50	0.07	0.03
<b>Annual VWA</b>	<b>Jan-03-2021</b>	<b>Dec-29-2021</b>	<b>416.9</b>	<b>25992.2</b>	<b>0.48</b>	<b>0.48</b>	<b>0.05</b>	<b>0.03</b>	<b>0.04</b>	<b>0.65</b>	<b>0.09</b>	<b>0.15</b>



**WOOD BUFFALO ENVIRONMENTAL ASSOCIATION**  
**Precipitation Sample Collection Efficiencies**  
**Wapasu**

**2021**

**Collector Model: N-CON**

<b>Start Date</b>	<b>End Date</b>	<b>Total Precip (mm)</b>	<b>Volume Collected (mL)</b>	<b>Collection Efficiency (%)</b>
Jan-03-2021	Jan-11-2021	1.6	70.6	71%
Jan-11-2021	Jan-18-2021	1.8	102.1	90%
Jan-18-2021	Jan-26-2021	5.5	282.1	81%
Jan-26-2021	Feb-02-2021	0.8	44.7	87%
Feb-02-2021	Feb-09-2021	1.7	95.7	88%
Feb-08-2021	Feb-16-2021	3.9	202.8	81%
Feb-16-2021	Feb-23-2021	4.9	292.5	94%
Feb-23-2021	Mar-02-2021	4.6	308.7	104%
Mar-02-2021	Mar-09-2021	2.3	134.1	93%
Mar-09-2021	Mar-15-2021	1.9	57.1	48%
Mar-15-2021	Mar-22-2021	2.7	97.5	56%
Mar-22-2021	Mar-30-2021	7.4	206.9	44%
Mar-30-2021	Apr-06-2021	0.8	39.3	76%
Apr-06-2021	Apr-13-2021	4.6	147.0	50%
Apr-13-2021	Apr-20-2021	1.3	72.9	90%
Apr-20-2021	Apr-26-2021	1.3	44.7	54%
Apr-26-2021	May-03-2021	5.4	369.2	106%
May-03-2021	May-11-2021	0.2	18.3	130%
May-11-2021	May-18-2021	5.6	421.7	118%
May-18-2021	May-25-2021	0.4	23.5	85%
May-25-2021	Jun-01-2021	23.7	1569.7	103%
Jun-01-2021	Jun-07-2021	7.7	571.4	116%
Jun-07-2021	Jun-14-2021	34.3	2294.2	104%
Jun-14-2021	Jun-22-2021	13.6	900.0	103%
Jun-22-2021	Jun-30-2021	3.3	266.1	125%
Jun-30-2021	Jul-06-2021	15.3	1060.8	108%
Jul-06-2021	Jul-13-2021	0.1	5.4	94%
Jul-13-2021	Jul-19-2021	5.5	383.6	110%
Jul-19-2021	Jul-26-2021	30.4	2095.7	108%
Jul-26-2021	Aug-03-2021	23.0	1516.4	103%
Aug-03-2021	Aug-09-2021	15.6	1065.1	107%
Aug-09-2021	Aug-16-2021	12.2	891.7	114%
Aug-16-2021	Aug-24-2021	13.7	1014.7	116%
Aug-24-2021	Aug-30-2021	21.7	626.4	45%
Aug-30-2021	Sep-07-2021	27.5	1868.9	106%
Sep-07-2021	Sep-14-2021	15.0	1081.6	112%
Sep-14-2021	Sep-22-2021	26.1	1919.6	115%
Sep-22-2021	Sep-29-2021	13.6	944.5	108%
Sep-29-2021	Oct-06-2021	0.1	0.0	0%
Oct-06-2021	Oct-12-2021	0.0	0.0	-
Oct-12-2021	Oct-19-2021	3.1	206.3	106%
Oct-19-2021	Oct-27-2021	6.7	437.5	102%
Oct-27-2021	Nov-02-2021	3.3	210.9	101%
Nov-02-2021	Nov-09-2021	6.8	442.8	101%
Nov-09-2021	Nov-16-2021	7.1	157.5	35%
Nov-16-2021	Nov-23-2021	6.1	234.3	60%
Nov-23-2021	Nov-29-2021	2.0	92.2	74%
Nov-29-2021	Dec-07-2021	13.7	657.1	75%
Dec-07-2021	Dec-15-2021	3.8	197.9	80%
Dec-15-2021	Dec-22-2021	0.8	73.6	138%
Dec-22-2021	Dec-29-2021	2.9	174.9	95%



**WOOD BUFFALO ENVIRONMENTAL ASSOCIATION**  
**Precipitation Volume Weighted Averages**  
**Stony Mountain**

2021

Month	Start Date	End Date	Total Precip (mm)	Volume Collected (mL)	Sulphate (mg/L)	Nitrate (mg/L)	Chloride (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Ammonium (mg/L)
January	Jan-03	Feb-02	25.7	1724.8	0.10	0.42	0.04	0.01	0.02	0.06	0.01	0.03
February	Feb-02	Mar-03	23.7	1712.2	0.17	0.54	0.16	0.02	0.09	0.11	0.01	0.03
March	Mar-03	Mar-31	14.0	947.4	0.50	0.87	0.15	0.02	0.08	0.17	0.02	0.16
April	Mar-31	Apr-27	15.8	1065.2	0.94	0.88	0.08	0.04	0.06	0.53	0.11	0.39
May	Apr-27	Jun-02	48.9	3554.0	0.32	0.33	0.03	0.02	0.02	0.11	0.02	0.13
June	Jun-02	Jun-30	84.7	5928.1	0.40	0.45	0.04	0.04	0.02	0.14	0.02	0.14
July	Jun-30	Jul-28	39.5	2862.2	0.45	0.68	0.04	0.05	0.01	0.20	0.03	0.73
August	Jul-28	Aug-31	44.1	3146.7	0.54	0.73	0.04	0.05	0.02	0.30	0.05	0.38
September	Aug-31	Sep-27	30.1	2141.1	0.26	0.39	0.03	0.04	0.01	0.16	0.03	0.12
October	Sep-27	Nov-02	14.2	1029.8	0.77	0.85	0.04	0.03	0.06	0.37	0.07	0.34
November	Nov-02	Dec-01	32.2	2114.5	0.22	0.42	0.03	0.05	0.05	0.10	0.03	0.08
December	Dec-01	Dec-29	21.5	1450.8	0.12	0.61	0.05	0.03	0.02	0.06	0.01	0.02
<b>Annual VWA</b>	<b>Jan-03-2021</b>	<b>Dec-29-2021</b>	<b>394.1</b>	<b>27676.8</b>	<b>0.38</b>	<b>0.54</b>	<b>0.05</b>	<b>0.04</b>	<b>0.03</b>	<b>0.17</b>	<b>0.03</b>	<b>0.22</b>



**WOOD BUFFALO ENVIRONMENTAL ASSOCIATION**  
**Precipitation Sample Collection Efficiencies**  
**Stony Mountain**

**2021**

**Collector Model: N-CON**

<b>Start Date</b>	<b>End Date</b>	<b>Total Precip (mm)</b>	<b>Volume Collected (mL)</b>	<b>Collection Efficiency (%)</b>
Jan-03-2021	Jan-11-2021	0.6	40.3	100%
Jan-11-2021	Jan-19-2021	10.0	652.0	102%
Jan-19-2021	Jan-27-2021	7.9	493.6	98%
Jan-27-2021	Feb-02-2021	7.2	538.9	116%
Feb-02-2021	Feb-10-2021	12.0	796.9	103%
Feb-10-2021	Feb-17-2021	0.0	131.7	-
Feb-17-2021	Feb-24-2021	4.0	281.6	111%
Feb-24-2021	Mar-03-2021	7.7	502.0	102%
Mar-03-2021	Mar-10-2021	2.1	143.4	109%
Mar-10-2021	Mar-16-2021	0.0	0.0	-
Mar-16-2021	Mar-24-2021	3.1	213.7	109%
Mar-24-2021	Mar-31-2021	8.8	590.3	104%
Mar-31-2021	Apr-07-2021	8.3	586.3	111%
Apr-07-2021	Apr-14-2021	0.7	56.3	129%
Apr-14-2021	Apr-21-2021	1.0	62.9	103%
Apr-21-2021	Apr-27-2021	5.9	359.7	95%
Apr-27-2021	May-05-2021	1.4	128.2	143%
May-05-2021	May-12-2021	0.0	8.0	-
May-12-2021	May-19-2021	45.1	3255.9	113%
May-19-2021	May-26-2021	0.3	1.4	8%
May-26-2021	Jun-02-2021	2.2	160.5	116%
Jun-02-2021	Jun-08-2021	1.7	156.7	146%
Jun-08-2021	Jun-16-2021	66.2	4514.0	106%
Jun-16-2021	Jun-23-2021	16.8	1257.4	117%
Jun-23-2021	Jun-30-2021	0.0	0.0	-
Jun-30-2021	Jul-07-2021	4.4	370.7	133%
Jul-07-2021	Jul-14-2021	4.4	323.5	114%
Jul-14-2021	Jul-20-2021	12.3	869.2	111%
Jul-20-2021	Jul-28-2021	18.4	1298.8	110%
Jul-28-2021	Aug-04-2021	6.0	432.8	112%
Aug-04-2021	Aug-10-2021	25.4	1794.3	110%
Aug-10-2021	Aug-17-2021	2.3	176.6	119%
Aug-17-2021	Aug-25-2021	5.3	391.8	114%
Aug-25-2021	Aug-31-2021	5.0	351.2	110%
Aug-31-2021	Sep-08-2021	9.0	632.5	110%
Sep-08-2021	Sep-15-2021	2.3	197.9	135%
Sep-15-2021	Sep-21-2021	18.1	1248.5	108%
Sep-21-2021	Sep-27-2021	0.7	62.2	131%
Sep-27-2021	Oct-05-2021	1.0	76.6	120%
Oct-05-2021	Oct-12-2021	6.9	492.1	111%
Oct-12-2021	Oct-18-2021	0.2	21.6	160%
Oct-18-2021	Oct-26-2021	6.1	438.2	113%
Oct-26-2021	Nov-02-2021	0.0	1.3	-
Nov-02-2021	Nov-11-2021	10.9	721.9	104%
Nov-11-2021	Nov-17-2021	12.2	783.0	100%
Nov-17-2021	Nov-23-2021	3.1	191.8	96%
Nov-23-2021	Dec-01-2021	5.9	417.8	110%
Dec-01-2021	Dec-08-2021	7.0	407.8	91%
Dec-08-2021	Dec-14-2021	4.7	279.5	94%
Dec-14-2021	Dec-21-2021	3.4	271.5	123%
Dec-21-2021	Dec-29-2021	6.4	492.0	120%



**WOOD BUFFALO  
ENVIRONMENTAL ASSOCIATION**

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Wood Buffalo Environmental Association

# ANNUAL REPORT – VOLUME 2 APPENDIX

## 2021 INTEGRATED DATA RESULTS

March 2022

Operations, Data Collection,  
QA/QC, Data Validation and Reporting by:  
Wood Buffalo Environmental Association





## **WOOD BUFFALO ENVIRONMENTAL ASSOCIATION**

### **INTEGRATED MONITORING PROGRAM ANNUAL REPORT - APPENDIX**

#### **DATA RESULTS 2021**

Prepared  
March 2022

#### **SAMPLE COLLECTION AND DATA COMPILATION BY:**

**Wood Buffalo Environmental Association**  
Fort McMurray, Alberta

#### **LABORATORY ANALYSIS**

Volatile Organic Compounds: InnoTech Alberta, Inc.  
Vegreville, Alberta

Particulate Matter: Desert Research Institute  
Reno, NV

Elemental Carbon and Organic Carbon: Desert Research Institute  
Reno, NV

Polycyclic Aromatic Hydrocarbons: Air Zone One Incorporated  
Mississauga, Ontario

Precipitation: Wisconsin State Laboratory of Hygiene  
Madison, WI





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**WOOD BUFFALO ENVIRONMENTAL ASSOCIATION**

**INTEGRATED MONITORING PROGRAM  
ANNUAL REPORT**

**VOLATILE ORGANIC COMPOUNDS  
DATA RESULTS  
2021**

Prepared  
March 2022

**SAMPLE COLLECTION AND DATA COMPILATION BY:**

**Wood Buffalo Environmental Association**  
Fort McMurray, Alberta

**LABORATORY ANALYSIS BY:**

VOCs: InnoTech Alberta, Inc.  
Vegreville, Alberta



CONTENTS DESCRIPTION	VOC – Measurements of Speciated Volatile Organic Compounds
SAMPLE PERIOD	24 hour
SAMPLING INTERVAL	Once every 6 days
UNITS	ppbv (parts per billion volume)
OBSERVATION TYPE	Gas
FIELD SAMPLING OR MEASUREMENT PRINCIPLE	Evacuated canister
ANALYTICAL METHODS	GC/MS - Gas chromatography/mass spectrometer
ANALYTICAL LABORATORY	InnoTech Alberta Inc
USER NOTE 1	Data are not blank corrected
USER NOTE 2	Data qualifies for V4 if greater than average + 5x Standard Dev with 5 passes. Computed on a quarterly dataset.
USER NOTE 3	Summary statistics include flags beginning with V. Instances when the Lab did not report a value that was <MDL, 0 was used.
USER NOTE 4	Values flagged V1 are displayed as -8888
SAMPLING INSTRUMENT TYPE	Tisch TE123
FLOW RATE	10.0 cc/min (cubic centimeters per minute)
<b>FLAGS USED</b>	
V0	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V4	Valid value despite failing to meet some QC or statistical criteria
V5	Valid value but qualified because of possible contamination
V6	Valid value but qualified due to non-standard sampling conditions
M1	Missing value because no value is available
M2	Missing value because invalidated by Data Originator



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	21010004
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		705.4	mmHg		n-Octane	0.02	0.15	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	1.30	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	0.17	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.19	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.31	ppbv	V0
2,3-Dimethylbutane	0.02	0.19	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.17	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.29	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.23	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.15	ppbv	V0					
3-Methylpentane	0.01	0.21	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.8	ppbv	V0					
Acetone	0.02	0.83	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.40	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.20	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.46	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.66	ppbv	V0					
Isopentane	0.03	1.38	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	5.6	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.18	ppbv	V0					
n-Butane	0.03	1.08	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.18	ppbv	V0					
n-Heptane	0.03	0.30	ppbv	V0					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 210100017
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		727.4	mmHg		n-Octane	0.02	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	1.19	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	0.19	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.28	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.27	ppbv	V0
2,3-Dimethylbutane	0.02	0.27	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.19	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.27	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.38	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.21	ppbv	V0					
3-Methylpentane	0.01	0.32	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.2	ppbv	V0					
Acetone	0.02	0.69	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.30	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.28	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.80	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.57	ppbv	V0					
Isopentane	0.03	1.08	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	12.4	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.21	ppbv	V0					
n-Butane	0.03	0.92	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.18	ppbv	V0					
n-Heptane	0.03	0.43	ppbv	V0					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100049
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		726.5	mmHg		n-Octane	0.02	0.20	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	2.17	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	0.18	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.45	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.27	ppbv	V0
2,3-Dimethylbutane	0.02	0.37	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.19	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.29	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.49	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.17	ppbv	V0					
3-Methylpentane	0.01	0.39	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.4	ppbv	V0					
Acetone	0.02	0.75	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.32	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.36	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.85	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.60	ppbv	V0					
Isopentane	0.03	1.70	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	6.7	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.19	ppbv	V0					
n-Butane	0.03	0.67	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.18	ppbv	V0					
n-Heptane	0.03	0.35	ppbv	V0					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Ells River	Loc ID:	ELSR	WBEA ID: 210100052
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		721.8	mmHg		n-Octane	0.02	0.15	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	2.00	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	0.18	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.39	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.19	ppbv	V0
2,3-Dimethylbutane	0.02	0.32	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.16	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.23	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.45	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.13	ppbv	V0					
3-Methylpentane	0.01	0.36	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.3	ppbv	V0					
Acetone	0.02	0.49	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.27	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.36	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.29	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.43	ppbv	V0					
Isopentane	0.03	1.60	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	1.4	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.15	ppbv	V0					
n-Butane	0.03	0.55	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.18	ppbv	V0					
n-Heptane	0.03	0.27	ppbv	V0					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID: 210100059
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		726.9	mmHg		n-Octane	0.02	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	1.80	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	0.18	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.40	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.26	ppbv	V0
2,3-Dimethylbutane	0.02	0.35	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.20	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.26	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.40	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.19	ppbv	V0					
3-Methylpentane	0.01	0.33	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.0	ppbv	V0					
Acetone	0.02	0.51	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.29	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.32	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.06	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.53	ppbv	V0					
Isopentane	0.03	1.46	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	3.8	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.18	ppbv	V0					
n-Butane	0.03	0.71	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.18	ppbv	V0					
n-Heptane	0.03	0.35	ppbv	V0					
n-Hexane	0.01	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210100035
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		717.9	mmHg		n-Octane	0.02	0.22	ppbv	V0
1,2,4-Trimethylbenzene	0.01	0.17	ppbv	V0	n-Pentane	0.03	2.46	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	0.18	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.43	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.35	ppbv	V0
2,3-Dimethylbutane	0.02	0.39	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.23	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.35	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.59	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.23	ppbv	V0					
3-Methylpentane	0.01	0.44	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.8	ppbv	V0					
Acetone	0.02	0.76	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.39	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.43	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	3.15	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.82	ppbv	V0					
Isopentane	0.03	1.94	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	16.5	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.23	ppbv	V0					
n-Butane	0.03	1.20	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.18	ppbv	V0					
n-Heptane	0.03	0.43	ppbv	V0					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210100037
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		726.5	mmHg		n-Octane	0.02	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	3.27	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.16	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	0.13	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.61	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.15	ppbv	V0	Toluene	0.01	0.37	ppbv	V0
2,3-Dimethylbutane	0.02	0.55	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.77	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.44	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	7.4	ppbv	V0					
Acetone	0.02	1.42	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.31	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.42	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.17	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	1.00	ppbv	V0					
Isopentane	0.03	2.64	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	22.1	ppbv	V0					
Methylethylketone	0.01	0.16	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	1.77	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.16	ppbv	V0					
n-Heptane	0.03	0.31	ppbv	V0					
n-Hexane	0.01	0.50	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100020
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-7.3	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		699.6	mmHg		n-Octane	0.02	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.65	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.14	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	0.13	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.14	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.13	ppbv	V0	Toluene	0.01	0.23	ppbv	V0
2,3-Dimethylbutane	0.02	0.19	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.19	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.16	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	6.5	ppbv	V0					
Acetone	0.02	0.96	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.27	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.14	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.56	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.88	ppbv	V0					
Isopentane	0.03	0.82	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	7.0	ppbv	V0					
Methylethylketone	0.01	0.14	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	1.10	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.15	ppbv	V0					
n-Heptane	0.03	0.19	ppbv	V0					
n-Hexane	0.01	0.23	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 210100039
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		708.0	mmHg		n-Octane	0.02	0.15	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	1.17	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.14	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	0.13	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.22	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.13	ppbv	V0	Toluene	0.01	0.26	ppbv	V0
2,3-Dimethylbutane	0.02	0.27	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.29	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.21	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	6.9	ppbv	V0					
Acetone	0.02	1.04	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.30	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.19	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	3.33	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.93	ppbv	V0					
Isopentane	0.03	1.27	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	10.7	ppbv	V0					
Methylethylketone	0.01	0.10	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	1.24	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.15	ppbv	V0					
n-Heptane	0.03	0.21	ppbv	V0					
n-Hexane	0.01	0.25	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID: 21010097
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-8.0	°C		n-Nonane	0.01	0.30	ppbv	V0
Pressure		731.2	mmHg		n-Octane	0.02	0.74	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	1.15	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.18	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	0.13	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.26	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.61	ppbv	V0
2,3-Dimethylbutane	0.02	0.22	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.28	ppbv	V0
2-Methylhexane	0.01	0.34	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.30	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.27	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	11.1	ppbv	V0					
Acetone	0.02	1.30	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.32	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.19	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.21	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	1.49	ppbv	V0					
Isopentane	0.03	1.40	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.22	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	18.2	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	2.38	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.17	ppbv	V0					
n-Heptane	0.03	1.45	ppbv	V4					
n-Hexane	0.01	0.97	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100078
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-8.1	°C		n-Nonane	0.01	0.27	ppbv	V0
Pressure		730.0	mmHg		n-Octane	0.02	0.63	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	1.62	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.17	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	0.14	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.30	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.85	ppbv	V0
2,3-Dimethylbutane	0.02	0.32	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.33	ppbv	V0
2-Methylhexane	0.01	0.33	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.40	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.34	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	16.3	ppbv	V0					
Acetone	0.02	3.51	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.40	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.26	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	7.22	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	2.19	ppbv	V0					
Isopentane	0.03	2.67	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.66	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	29.7	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	4.55	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.17	ppbv	V0					
n-Heptane	0.03	1.28	ppbv	V4					
n-Hexane	0.01	1.24	ppbv	V4					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 210100106
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-6.6	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		706.0	mmHg		n-Octane	0.02	0.13	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	1.06	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.14	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	0.13	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.20	ppbv	V0
2,3-Dimethylbutane	0.02	0.15	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.18	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.17	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.15	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	16.2	ppbv	V0					
Acetone	0.02	1.44	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.31	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.28	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	2.16	ppbv	V0					
Isopentane	0.03	1.32	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.16	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	10.4	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	2.95	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.15	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.26	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210100084
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-5.4	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		725.3	mmHg		n-Octane	0.02	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.92	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.15	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	0.13	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.17	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.20	ppbv	V0
2,3-Dimethylbutane	0.02	0.20	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.14	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.15	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.15	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	9.3	ppbv	V0					
Acetone	0.02	1.07	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.24	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.13	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.13	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	1.25	ppbv	V0					
Isopentane	0.03	1.30	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.13	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	4.7	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	1.54	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.15	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.24	ppbv	V0					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210100081
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-9.9	°C		n-Nonane	0.01	0.27	ppbv	V0
Pressure		730.3	mmHg		n-Octane	0.02	0.65	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	1.48	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.17	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	0.14	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.31	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	1.07	ppbv	V4
2,3-Dimethylbutane	0.02	0.33	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.27	ppbv	V0
2-Methylhexane	0.01	0.25	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.28	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.29	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	13.8	ppbv	V0					
Acetone	0.02	1.79	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.32	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.19	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.57	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	1.85	ppbv	V0					
Isopentane	0.03	2.52	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.66	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	22.4	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	3.82	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.17	ppbv	V0					
n-Heptane	0.03	0.87	ppbv	V0					
n-Hexane	0.01	0.79	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210100119
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-6.5	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		714.2	mmHg		n-Octane	0.02	0.13	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	1.12	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.14	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	0.12	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.20	ppbv	V0
2,3-Dimethylbutane	0.02	0.15	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.18	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.16	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	16.7	ppbv	V0					
Acetone	0.02	1.77	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.30	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.15	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.96	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	2.22	ppbv	V0					
Isopentane	0.03	1.39	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.17	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	10.0	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	3.03	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.15	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.26	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100070
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.1	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		710.1	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.35	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.21	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.18	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.4	ppbv	V0					
Acetone	0.02	1.07	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.07	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.70	ppbv	V0					
Isopentane	0.03	0.52	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.19	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	6.5	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.79	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.15	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210100094
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		732.4	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.64	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.28	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.35	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	12.0	ppbv	V0					
Acetone	0.02	1.16	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	6.37	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	1.88	ppbv	V0					
Isopentane	0.03	1.28	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	46.4	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	2.76	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.15	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210100089
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-6.4	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		722.4	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.81	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.36	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.27	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	18.2	ppbv	V0					
Acetone	0.02	1.71	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	5.35	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	2.85	ppbv	V0					
Isopentane	0.03	1.86	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	51.9	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	3.27	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.15	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID: 210100132
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-4.2	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		709.7	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	2.79	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.11	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	0.11	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.50	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	0.36	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.76	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.82	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.8	ppbv	V0					
Acetone	0.02	0.71	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.31	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.54	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.23	ppbv	V0					
Ethylbenzene	0.01	0.04	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.49	ppbv	V0					
Isopentane	0.03	2.16	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.13	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	6.2	ppbv	V0					
Methylethylketone	0.01	0.17	ppbv	V0					
Methylisobutylketone	0.02	0.08	ppbv	V0					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.47	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.13	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.36	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 210100151	
Start Date: 2021-01-16 00:00	End Date: 2021-01-17 00:00	Duration: 24.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.9	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		731.4	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	3.13	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.11	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	0.11	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.55	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	0.43	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	1.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.72	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.0	ppbv	V0					
Acetone	0.02	0.72	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.35	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.58	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.57	ppbv	V0					
Ethylbenzene	0.01	0.05	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.53	ppbv	V0					
Isopentane	0.03	2.23	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.13	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	4.7	ppbv	V0					
Methylethylketone	0.01	0.13	ppbv	V0					
Methylisobutylketone	0.02	0.08	ppbv	V0					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.47	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.13	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.39	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Ells River	Loc ID:	ELSR	WBEA ID: 210100154
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-0.2	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		727.8	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.83	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.10	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	0.10	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.16	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	0.20	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.10	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.3	ppbv	V0					
Acetone	0.02	0.96	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.16	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.53	ppbv	V0					
Ethylbenzene	0.01	0.04	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.58	ppbv	V0					
Isopentane	0.03	0.65	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.08	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	4.9	ppbv	V0					
Methylethylketone	0.01	0.14	ppbv	V0					
Methylisobutylketone	0.02	0.08	ppbv	V0					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.60	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.13	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.17	ppbv	V0					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID: 210100157
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.7	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		731.5	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	1.81	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.10	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	0.12	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.34	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	0.27	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.48	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.44	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.5	ppbv	V0					
Acetone	0.02	0.67	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.28	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.35	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.26	ppbv	V0					
Ethylbenzene	0.01	0.04	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.44	ppbv	V0					
Isopentane	0.03	1.34	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.12	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	5.1	ppbv	V0					
Methylethylketone	0.01	0.09	ppbv	V0					
Methylisobutylketone	0.02	0.08	ppbv	V0					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.45	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.13	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.31	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100163
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-0.5	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		710.5	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.45	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	0.09	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.06	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.10	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.5	ppbv	V0					
Acetone	0.02	1.44	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.15	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	3.24	ppbv	V0					
Ethylbenzene	0.01	0.03	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.86	ppbv	V0					
Isopentane	0.03	0.54	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.12	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	11.3	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	0.08	ppbv	V0					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.66	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.13	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210100168
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.4	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		732.6	mmHg		n-Octane	0.02	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.38	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	0.10	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.16	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.09	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.12	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	5.3	ppbv	V0					
Acetone	0.02	1.23	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.15	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.86	ppbv	V0					
Ethylbenzene	0.01	0.04	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	1.00	ppbv	V0					
Isopentane	0.03	0.49	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.18	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.09	ppbv	V0					
Methanol	0.3	38.3	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	0.08	ppbv	V0					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.91	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.13	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.24	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: VOC Canister  
 Location: Conklin  
 Start Date: 2021-01-16 00:00

Samp Use: Exposure  
 Loc ID: CONK  
 End Date: 2021-01-17 00:00

Set Index: 1  
 WBEA ID: 210100130  
 Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		2.3	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		706.1	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	0.10	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.02	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.07	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.2	ppbv	V0					
Acetone	0.02	0.93	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.12	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.03	ppbv	V0					
Ethylbenzene	0.01	0.03	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.59	ppbv	V0					
Isopentane	0.03	0.29	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.08	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	6.4	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	0.08	ppbv	V0					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.50	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.12	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.13	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 210100139
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		1.5	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		713.8	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.26	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	0.10	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.04	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.11	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.1	ppbv	V0					
Acetone	0.02	1.14	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.15	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.96	ppbv	V0					
Ethylbenzene	0.01	0.03	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.58	ppbv	V0					
Isopentane	0.03	0.31	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.13	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	5.2	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	0.08	ppbv	V0					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.53	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.12	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.13	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210100174
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-1.7	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		723.2	mmHg		n-Octane	0.02	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.62	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	0.10	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.15	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.17	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.23	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	6.5	ppbv	V0					
Acetone	0.02	1.66	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.21	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.33	ppbv	V0					
Ethylbenzene	0.01	0.05	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	1.24	ppbv	V0					
Isopentane	0.03	0.84	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.17	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.14	ppbv	V0					
Methanol	0.3	32.5	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	0.08	ppbv	V0					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.13	ppbv	V0					
n-Butane	0.03	1.29	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.13	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.26	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210100199
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-18.3	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		737.8	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.87	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.09	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.26	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.18	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.1	ppbv	V0					
Acetone	0.02	1.34	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.12	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.69	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.77	ppbv	V0					
Isopentane	0.03	1.07	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.02	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	9.7	ppbv	V0					
Methylethylketone	0.01	0.12	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.72	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.15	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100198
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		736.3	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.85	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.09	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.18	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.11	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.4	ppbv	V0					
Acetone	0.02	1.10	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.11	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.78	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.82	ppbv	V0					
Isopentane	0.03	0.74	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.14	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	7.1	ppbv	V0					
Methylethylketone	0.01	0.13	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.65	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.13	ppbv	V0					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: VOC Canister  
Location: Ells River  
Start Date: 2021-01-22 00:00

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-01-23 00:00

Set Index: 1  
WBEA ID: 210100186  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		732.2	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.79	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.09	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.20	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.11	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.0	ppbv	V0					
Acetone	0.02	1.33	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.11	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.48	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.75	ppbv	V0					
Isopentane	0.03	0.69	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.07	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	4.2	ppbv	V0					
Methylethylketone	0.01	0.12	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.60	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.13	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210100189
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		732.2	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.69	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.09	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.19	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.12	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.9	ppbv	V0					
Acetone	0.02	0.87	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.12	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.11	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.75	ppbv	V0					
Isopentane	0.03	0.70	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.03	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	6.8	ppbv	V0					
Methylethylketone	0.01	0.11	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.68	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.13	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100244
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		714.2	mmHg		n-Octane	0.02	0.08	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.59	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.05	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.08	ppbv	V0
2,3-Dimethylbutane	0.02	0.09	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.07	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.07	ppbv	V0					
3-Methylpentane	0.01	0.07	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.4	ppbv	V0					
Acetone	0.02	1.50	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.13	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.06	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.40	ppbv	V0					
Ethylbenzene	0.01	0.07	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.87	ppbv	V0					
Isopentane	0.03	0.63	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.13	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.07	ppbv	V0					
Methanol	0.3	7.3	ppbv	V0					
Methylethylketone	0.01	0.12	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.04	ppbv	V0					
Methylcyclopentane	0.02	0.06	ppbv	V0					
n-Butane	0.03	1.00	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.08	ppbv	V0					
n-Hexane	0.01	0.06	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
 Location: Athabasca Valley  
 Start Date: 2021-01-22 00:00

### Deployment Information

Samp Use: Exposure  
 Loc ID: ATHV  
 End Date: 2021-01-23 00:00

Set Index: 1  
 WBEA ID: 210100238  
 Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		737.9	mmHg		n-Octane	0.02	0.08	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.60	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.09	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.07	ppbv	V0
2,3-Dimethylbutane	0.02	0.10	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.04	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.06	ppbv	V0					
3-Methylpentane	0.01	0.07	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	11.4	ppbv	V0					
Acetone	0.02	1.55	ppbv	V0					
alpha-Pinene	0.01	0.06	ppbv	V0					
Benzene	0.01	0.13	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.06	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.95	ppbv	V0					
Ethylbenzene	0.01	0.07	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	2.24	ppbv	V0					
Isopentane	0.03	1.26	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.25	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.06	ppbv	V0					
Methanol	0.3	14.3	ppbv	V0					
Methylethylketone	0.01	0.12	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.04	ppbv	V0					
Methylcyclopentane	0.02	0.07	ppbv	V0					
n-Butane	0.03	2.12	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.08	ppbv	V0					
n-Hexane	0.01	0.05	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 210100207
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		708.3	mmHg		n-Octane	0.02	0.08	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.81	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.12	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.06	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.10	ppbv	V0
2,3-Dimethylbutane	0.02	0.10	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	0.07	ppbv	V0	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.07	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.17	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.07	ppbv	V0					
3-Methylpentane	0.01	0.11	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	6.6	ppbv	V0					
Acetone	0.02	2.44	ppbv	V0					
alpha-Pinene	0.01	0.06	ppbv	V0					
Benzene	0.01	0.17	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.21	ppbv	V0					
Ethylbenzene	0.01	0.07	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	1.30	ppbv	V0					
Isopentane	0.03	1.35	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.68	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.07	ppbv	V0					
Methanol	0.3	16.4	ppbv	V0					
Methylethylketone	0.01	0.11	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.04	ppbv	V0					
Methylcyclopentane	0.02	0.10	ppbv	V0					
n-Butane	0.03	2.62	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.09	ppbv	V0					
n-Hexane	0.01	0.19	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Janvier	Loc ID: JANV	WBEA ID: 210100213	Duration: 24.0 hr
Start Date: 2021-01-22 00:00	End Date: 2021-01-23 00:00		

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		717.1	mmHg		n-Octane	0.02	0.08	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.70	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.07	ppbv	V0
2,3-Dimethylbutane	0.02	0.09	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.06	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.07	ppbv	V0					
3-Methylpentane	0.01	0.09	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.7	ppbv	V0					
Acetone	0.02	1.47	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.14	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.09	ppbv	V0					
Ethylbenzene	0.01	0.07	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.73	ppbv	V0					
Isopentane	0.03	0.68	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.07	ppbv	V0					
Methanol	0.3	5.8	ppbv	V0					
Methylethylketone	0.01	0.14	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.04	ppbv	V0					
Methylcyclopentane	0.02	0.07	ppbv	V0					
n-Butane	0.03	0.89	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.09	ppbv	V0					
n-Hexane	0.01	0.07	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210100255
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		727.6	mmHg		n-Octane	0.02	0.08	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.50	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.06	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.10	ppbv	V0
2,3-Dimethylbutane	0.02	0.09	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.11	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.08	ppbv	V0					
3-Methylpentane	0.01	0.08	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.9	ppbv	V0					
Acetone	0.02	1.63	ppbv	V0					
alpha-Pinene	0.01	0.06	ppbv	V0					
Benzene	0.01	0.15	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.05	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.53	ppbv	V0					
Ethylbenzene	0.01	0.07	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.96	ppbv	V0					
Isopentane	0.03	0.64	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.15	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.08	ppbv	V0					
Methanol	0.3	15.2	ppbv	V0					
Methylethylketone	0.01	0.11	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.04	ppbv	V0					
Methylcyclopentane	0.02	0.07	ppbv	V0					
n-Butane	0.03	1.18	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.10	ppbv	V0					
n-Hexane	0.01	0.08	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100266
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		737.7	mmHg		n-Octane	0.02	0.15	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	1.53	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.12	ppbv	V0
1-Pentene	0.01	0.11	ppbv	V0	Naphthalene	0.01	0.15	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.23	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.14	ppbv	V0
2,3-Dimethylbutane	0.02	0.23	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.09	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.16	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.26	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.19	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.9	ppbv	V0					
Acetone	0.02	1.36	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.18	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.18	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.83	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.55	ppbv	V0					
Isopentane	0.03	1.10	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.18	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	19.4	ppbv	V0					
Methylethylketone	0.01	0.20	ppbv	V0					
Methylisobutylketone	0.02	0.10	ppbv	V0					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.14	ppbv	V0					
n-Butane	0.03	0.66	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.15	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.30	ppbv	V0					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210100272
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		738.8	mmHg		n-Octane	0.02	0.16	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	1.74	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.12	ppbv	V0
1-Pentene	0.01	0.10	ppbv	V0	Naphthalene	0.01	0.17	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.28	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.14	ppbv	V0
2,3-Dimethylbutane	0.02	0.26	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.14	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.38	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.27	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.2	ppbv	V0					
Acetone	0.02	0.78	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.19	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.24	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.64	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.46	ppbv	V0					
Isopentane	0.03	1.16	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.18	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	3.2	ppbv	V0					
Methylethylketone	0.01	0.19	ppbv	V0					
Methylisobutylketone	0.02	0.11	ppbv	V0					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.13	ppbv	V0					
n-Butane	0.03	0.50	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.15	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.30	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: <b>VOC Canister</b>	Deployment Information	Samp Use: <b>Exposure</b>	Set Index: <b>1</b>
Location: <b>Patricia McInnes</b>	Loc ID: <b>PATM</b>	WBEA ID: <b>210100299</b>	
Start Date: <b>2021-01-28 00:00</b>	End Date: <b>2021-01-29 00:00</b>	Duration: <b>24.0 hr</b>	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		729.1	mmHg		n-Octane	0.02	0.16	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.79	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.12	ppbv	V0
1-Pentene	0.01	0.12	ppbv	V0	Naphthalene	0.01	0.14	ppbv	V0
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.15	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.19	ppbv	V0
2,3-Dimethylbutane	0.02	0.16	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.09	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.20	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.22	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.18	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	5.5	ppbv	V0					
Acetone	0.02	1.27	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.21	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.14	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.50	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.75	ppbv	V0					
Isopentane	0.03	1.00	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.30	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	12.8	ppbv	V0					
Methylethylketone	0.01	0.21	ppbv	V0					
Methylisobutylketone	0.02	0.10	ppbv	V0					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.17	ppbv	V0					
n-Butane	0.03	1.53	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.15	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.37	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister		<b>Deployment Information</b>		<b>Set Index:</b> 1
<b>Location:</b> Anzac		<b>Samp Use:</b> Exposure	<b>Loc ID:</b> ANZC	<b>WBEA ID:</b> 210100279
<b>Start Date:</b> 2021-01-28 00:00		<b>End Date:</b> 2021-01-29 00:00		<b>Duration:</b> 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		715.8	mmHg		n-Octane	0.02	0.09	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.44	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.08	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.09	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.08	ppbv	V0
2,3-Dimethylbutane	0.02	0.10	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.12	ppbv	V0
2-Methylhexane	0.01	0.08	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	0.05	ppbv	V0					
3-Methylhexane	0.01	0.12	ppbv	V0					
3-Methylpentane	0.01	0.12	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.8	ppbv	V0					
Acetone	0.02	1.27	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.17	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.16	ppbv	V0					
Cyclopentane	0.01	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.79	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.64	ppbv	V0					
Isopentane	0.03	0.59	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	7.8	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.07	ppbv	V0					
Methylcyclopentane	0.02	0.12	ppbv	V0					
n-Butane	0.03	1.00	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.21	ppbv	V0					
n-Hexane	0.01	0.28	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: VOC Canister  
Location: Anzac  
Start Date: 2021-01-29 12:15

Samp Use: Field Procedure Blank  
Loc ID: ANZC  
End Date: 2021-01-29 12:16

Set Index: 1  
WBEA ID: 210100349  
Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.03	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.0	ppbv	V0					
Acetone	0.02	0.27	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	-8888	ppbv	V1					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.36	ppbv	V0					
Isopentane	0.03	-8888	ppbv	V1					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	2.4	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.20	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					
n-Nonane	0.01	-8888	ppbv	V1					
n-Octane	0.02	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210100292
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		739.5	mmHg		n-Octane	0.02	0.16	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.77	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.10	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.14	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.12	ppbv	V0
2,3-Dimethylbutane	0.02	0.13	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.10	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.08	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	0.14	ppbv	V0	1-Butene/Isobutylene	0.03	0.16	ppbv	V0
2-Methylhexane	0.01	0.12	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.20	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	0.07	ppbv	V0					
3-Methylhexane	0.01	0.18	ppbv	V0					
3-Methylpentane	0.01	0.15	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.7	ppbv	V0					
Acetone	0.02	1.26	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.15	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.18	ppbv	V0					
Cyclopentane	0.01	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.65	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.62	ppbv	V0					
Isopentane	0.03	0.72	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.38	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	8.1	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.12	ppbv	V0					
Methylcyclopentane	0.02	0.15	ppbv	V0					
n-Butane	0.03	0.91	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.35	ppbv	V0					
n-Hexane	0.01	0.33	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210100256
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		737.7	mmHg		n-Octane	0.02	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	1.96	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.07	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.35	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.12	ppbv	V0	Toluene	0.01	0.15	ppbv	V0
2,3-Dimethylbutane	0.02	0.26	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.10	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.08	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	0.14	ppbv	V0	1-Butene/Isobutylene	0.03	0.11	ppbv	V0
2-Methylhexane	0.01	0.11	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.66	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	0.08	ppbv	V0					
3-Methylhexane	0.01	0.16	ppbv	V0					
3-Methylpentane	0.01	0.51	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.6	ppbv	V0					
Acetone	0.02	0.70	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.19	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.22	ppbv	V0					
Cyclopentane	0.01	0.30	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.66	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.44	ppbv	V0					
Isopentane	0.03	1.38	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	4.1	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.13	ppbv	V0					
Methylcyclopentane	0.02	0.17	ppbv	V0					
n-Butane	0.03	0.52	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.34	ppbv	V0					
n-Hexane	0.01	0.45	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 210100281
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		710.1	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.27	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.07	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.11	ppbv	V0	Toluene	0.01	0.06	ppbv	V0
2,3-Dimethylbutane	0.02	0.08	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.08	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.09	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.09	ppbv	V0					
3-Methylpentane	0.01	0.09	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.9	ppbv	V0					
Acetone	0.02	0.76	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.13	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.16	ppbv	V0					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.81	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.49	ppbv	V0					
Isopentane	0.03	0.36	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	3.2	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.07	ppbv	V0					
Methylcyclopentane	0.02	0.08	ppbv	V0					
n-Butane	0.03	0.76	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.16	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210100269
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		733.3	mmHg		n-Octane	0.02	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.62	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.08	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.19	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.12	ppbv	V0	Toluene	0.01	0.11	ppbv	V0
2,3-Dimethylbutane	0.02	0.23	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.08	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.10	ppbv	V0
2-Methylhexane	0.01	0.07	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.17	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	0.07	ppbv	V0					
3-Methylhexane	0.01	0.11	ppbv	V0					
3-Methylpentane	0.01	0.14	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.5	ppbv	V0					
Acetone	0.02	0.77	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.13	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.21	ppbv	V0					
Cyclopentane	0.01	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.67	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.59	ppbv	V0					
Isopentane	0.03	0.61	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	2.4	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	13.20	ppbv	V4					
Methylcyclohexane	0.01	0.17	ppbv	V0					
Methylcyclopentane	0.02	0.10	ppbv	V0					
n-Butane	0.03	0.46	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.23	ppbv	V0					
n-Hexane	0.01	0.19	ppbv	V0					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210100294
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		718.5	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.56	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.15	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.14	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.12	ppbv	V0	Toluene	0.01	0.17	ppbv	V0
2,3-Dimethylbutane	0.02	0.13	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.13	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.10	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.14	ppbv	V0
2-Methylhexane	0.01	0.08	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.18	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	0.05	ppbv	V0					
3-Methylhexane	0.01	0.11	ppbv	V0					
3-Methylpentane	0.01	0.22	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	6.8	ppbv	V0					
Acetone	0.02	2.12	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.16	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.16	ppbv	V0					
Cyclopentane	0.01	0.13	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.85	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	1.12	ppbv	V0					
Isopentane	0.03	1.50	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	1.27	ppbv	V4					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	12.5	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.07	ppbv	V0					
Methylcyclopentane	0.02	0.27	ppbv	V0					
n-Butane	0.03	3.16	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.18	ppbv	V0					
n-Hexane	0.01	0.69	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100350
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		715.5	mmHg		n-Octane	0.02	0.10	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.56	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.13	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.08	ppbv	V0
2,3-Dimethylbutane	0.02	0.13	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.11	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.21	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.10	ppbv	V0					
3-Methylpentane	0.01	0.15	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.5	ppbv	V0					
Acetone	0.02	1.01	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.37	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.19	ppbv	V0					
Cyclopentane	0.01	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.71	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.41	ppbv	V0					
Isopentane	0.03	0.48	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.11	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	4.1	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.10	ppbv	V0					
n-Butane	0.03	0.56	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.16	ppbv	V0					
n-Hexane	0.01	0.22	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210100357
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C		n-Nonane	0.01	0.08	ppbv	V0
Pressure		739.0	mmHg		n-Octane	0.02	0.15	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.58	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.14	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.14	ppbv	V0
2,3-Dimethylbutane	0.02	0.12	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.12	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.25	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.15	ppbv	V0					
3-Methylpentane	0.01	0.22	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.5	ppbv	V0					
Acetone	0.02	0.77	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.18	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.20	ppbv	V0					
Cyclopentane	0.01	0.13	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.79	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.41	ppbv	V0					
Isopentane	0.03	0.61	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.19	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	5.2	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.17	ppbv	V0					
n-Butane	0.03	0.80	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.27	ppbv	V0					
n-Hexane	0.01	0.39	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210200392
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-19.9	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		739.0	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.79	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.18	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.06	ppbv	V0
2,3-Dimethylbutane	0.02	0.16	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.10	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.23	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.19	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.4	ppbv	V0					
Acetone	0.02	0.79	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.16	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.18	ppbv	V0					
Cyclopentane	0.01	0.16	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	3.10	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.40	ppbv	V0					
Isopentane	0.03	0.61	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.12	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	4.9	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.09	ppbv	V0					
n-Butane	0.03	0.46	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.12	ppbv	V0					
n-Hexane	0.01	0.20	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200373
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		737.5	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	1.31	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.19	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.09	ppbv	V0
2,3-Dimethylbutane	0.02	0.20	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.12	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.27	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.22	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.2	ppbv	V0					
Acetone	0.02	1.35	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.17	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.18	ppbv	V0					
Cyclopentane	0.01	0.19	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.16	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.68	ppbv	V0					
Isopentane	0.03	1.21	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.37	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	8.8	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.16	ppbv	V0					
n-Butane	0.03	1.48	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.13	ppbv	V0					
n-Hexane	0.01	0.37	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200391
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		709.8	mmHg		n-Octane	0.02	0.09	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.42	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.09	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.07	ppbv	V0
2,3-Dimethylbutane	0.02	0.10	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.11	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.10	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.6	ppbv	V0					
Acetone	0.02	0.97	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.15	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.18	ppbv	V0					
Cyclopentane	0.01	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.40	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.58	ppbv	V0					
Isopentane	0.03	0.53	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.18	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	4.3	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.10	ppbv	V0					
n-Butane	0.03	0.94	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.13	ppbv	V0					
n-Hexane	0.01	0.20	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 210200419
Start Date:	2021-02-05 12:12	End Date:	2021-02-05 12:13	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	1.23	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.2	ppbv	V0					
Acetone	0.02	0.22	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.06	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.35	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.52	ppbv	V0					
Isopentane	0.03	0.09	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.08	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	4.7	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.08	ppbv	V0					
n-Butane	0.03	0.15	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					
n-Nonane	0.01	-8888	ppbv	V1					
n-Octane	0.02	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Ells River	Loc ID:	ELSR	WBEA ID: 210200376
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		733.2	mmHg		n-Octane	0.02	0.09	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	3.78	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.59	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.06	ppbv	V0
2,3-Dimethylbutane	0.02	0.52	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.12	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	1.22	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.73	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.5	ppbv	V0					
Acetone	0.02	0.77	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.26	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.20	ppbv	V0					
Cyclopentane	0.01	0.67	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.71	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.58	ppbv	V0					
Isopentane	0.03	2.13	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.12	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	3.2	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.12	ppbv	V0					
n-Butane	0.03	0.49	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.13	ppbv	V0					
n-Hexane	0.01	0.41	ppbv	V0					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210200379
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		738.2	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	1.09	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.19	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.06	ppbv	V0
2,3-Dimethylbutane	0.02	0.18	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.11	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.26	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.16	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.2	ppbv	V0					
Acetone	0.02	0.98	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.15	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.18	ppbv	V0					
Cyclopentane	0.01	0.18	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.83	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.52	ppbv	V0					
Isopentane	0.03	0.77	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.07	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	3.8	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.09	ppbv	V0					
n-Butane	0.03	0.58	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.19	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 210200398
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		718.5	mmHg		n-Octane	0.02	0.10	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.53	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.10	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.12	ppbv	V0
2,3-Dimethylbutane	0.02	0.11	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.13	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.19	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.11	ppbv	V0					
3-Methylpentane	0.01	0.16	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.3	ppbv	V0					
Acetone	0.02	1.35	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.18	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.19	ppbv	V0					
Cyclopentane	0.01	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.55	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.54	ppbv	V0					
Isopentane	0.03	0.77	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.18	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	5.0	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.13	ppbv	V0					
n-Butane	0.03	1.12	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.15	ppbv	V0					
n-Hexane	0.01	0.28	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210100363
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		729.5	mmHg		n-Octane	0.02	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	1.40	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.25	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.14	ppbv	V0
2,3-Dimethylbutane	0.02	0.24	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.18	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.46	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.18	ppbv	V0					
3-Methylpentane	0.01	0.26	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.6	ppbv	V0					
Acetone	0.02	1.22	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.20	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.20	ppbv	V0					
Cyclopentane	0.01	0.26	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.38	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.75	ppbv	V0					
Isopentane	0.03	1.04	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.15	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	13.8	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.16	ppbv	V0					
n-Butane	0.03	0.91	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.33	ppbv	V0					
n-Hexane	0.01	0.38	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210200401
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		720.8	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	0.52	ppbv	V0
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.17	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.06	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	1.9	ppbv	V0					
Acetone	0.02	0.94	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.13	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.42	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.35	ppbv	V0					
Isopentane	0.03	0.26	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	3.4	ppbv	V0					
Methylethylketone	0.01	0.09	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.49	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.11	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210200454
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		745.0	mmHg		n-Octane	0.02	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.10	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.17	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.07	ppbv	V0					
3-Methylpentane	0.01	0.08	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	1.8	ppbv	V0					
Acetone	0.02	1.09	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.13	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.61	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.33	ppbv	V0					
Isopentane	0.03	0.26	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	2.9	ppbv	V0					
Methylethylketone	0.01	0.16	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.04	ppbv	V0					
Methylcyclopentane	0.02	0.08	ppbv	V0					
n-Butane	0.03	0.46	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.11	ppbv	V0					
n-Hexane	0.01	0.15	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200420
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-27.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		715.9	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.17	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.06	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.1	ppbv	V0					
Acetone	0.02	1.05	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.11	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.53	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.38	ppbv	V0					
Isopentane	0.03	0.22	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	5.5	ppbv	V0					
Methylethylketone	0.01	0.15	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.44	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.11	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200426
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		724.2	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.19	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.06	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.5	ppbv	V0					
Acetone	0.02	1.47	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.11	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.39	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.43	ppbv	V0					
Isopentane	0.03	0.23	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	3.2	ppbv	V0					
Methylethylketone	0.01	0.14	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.46	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.11	ppbv	V0					
n-Hexane	0.01	0.11	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 210200477
Start Date:	2021-02-10 13:40	End Date:	2021-02-10 13:41	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.5	ppbv	V0					
Acetone	0.02	0.16	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	-8888	ppbv	V1					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.43	ppbv	V0					
Isopentane	0.03	-8888	ppbv	V1					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	-8888	ppbv	V1					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.14	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.10	ppbv	V0					
n-Nonane	0.01	-8888	ppbv	V1					
n-Octane	0.02	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210200407
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		735.1	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.10	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.17	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.07	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	1.9	ppbv	V0					
Acetone	0.02	1.47	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.13	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.52	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.35	ppbv	V0					
Isopentane	0.03	0.22	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	1.6	ppbv	V0					
Methylethylketone	0.01	0.17	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.36	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.11	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210200427
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-26.5	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		745.2	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.26	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.10	ppbv	V0
2,3-Dimethylbutane	0.02	0.08	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.18	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.07	ppbv	V0					
3-Methylpentane	0.01	0.08	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.4	ppbv	V0					
Acetone	0.02	1.72	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.12	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.13	ppbv	V0					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.58	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.58	ppbv	V0					
Isopentane	0.03	0.45	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.21	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	4.2	ppbv	V0					
Methylethylketone	0.01	0.15	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.04	ppbv	V0					
Methylcyclopentane	0.02	0.09	ppbv	V0					
n-Butane	0.03	0.84	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.11	ppbv	V0					
n-Hexane	0.01	0.17	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200444
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		743.7	mmHg		n-Octane	0.02	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.09	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	0.09	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.18	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.07	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.0	ppbv	V0					
Acetone	0.02	1.67	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.11	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.14	ppbv	V0					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.79	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.52	ppbv	V0					
Isopentane	0.03	0.33	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	5.9	ppbv	V0					
Methylethylketone	0.01	0.14	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.05	ppbv	V0					
Methylcyclopentane	0.02	0.07	ppbv	V0					
n-Butane	0.03	0.47	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.11	ppbv	V0					
n-Hexane	0.01	0.11	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210200435
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		739.3	mmHg		n-Octane	0.02	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.23	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.10	ppbv	V0
2,3-Dimethylbutane	0.02	0.11	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.18	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.07	ppbv	V0					
3-Methylpentane	0.01	0.08	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.3	ppbv	V0					
Acetone	0.02	1.29	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.12	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.15	ppbv	V0					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.87	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.57	ppbv	V0					
Isopentane	0.03	0.45	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	2.1	ppbv	V0					
Methylethylketone	0.01	0.16	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.05	ppbv	V0					
Methylcyclopentane	0.02	0.08	ppbv	V0					
n-Butane	0.03	0.62	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.11	ppbv	V0					
n-Hexane	0.01	0.12	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210200432
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		745.4	mmHg		n-Octane	0.02	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	0.07	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.18	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.06	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.7	ppbv	V0					
Acetone	0.02	1.44	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.11	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.13	ppbv	V0					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.55	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.47	ppbv	V0					
Isopentane	0.03	0.26	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	2.3	ppbv	V0					
Methylethylketone	0.01	0.13	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.04	ppbv	V0					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.49	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.11	ppbv	V0					
n-Hexane	0.01	0.11	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210200497
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C		n-Nonane	0.01	0.24	ppbv	V0
Pressure		734.9	mmHg		n-Octane	0.02	0.10	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.49	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.08	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.09	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.08	ppbv	V0
2,3-Dimethylbutane	0.02	0.10	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.18	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.09	ppbv	V0					
3-Methylpentane	0.01	0.08	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	5.0	ppbv	V0					
Acetone	0.02	1.78	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.19	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.70	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.80	ppbv	V0					
Isopentane	0.03	0.54	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	20.4	ppbv	V0					
Methylethylketone	0.01	0.24	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.06	ppbv	V0					
Methylcyclopentane	0.02	0.10	ppbv	V0					
n-Butane	0.03	1.28	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.16	ppbv	V0					
n-Hexane	0.01	0.19	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Field Procedure Blank	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 210200514	
Start Date: 2021-02-16 13:55	End Date: 2021-02-16 13:56	Duration: 0.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	1.25	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.2	ppbv	V0					
Acetone	0.02	-8888	ppbv	V1					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	-8888	ppbv	V1					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.52	ppbv	V0					
Isopentane	0.03	0.06	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	-8888	ppbv	V1					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.23	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					
n-Nonane	0.01	-8888	ppbv	V1					
n-Octane	0.02	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210200508
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-20.0	°C		n-Nonane	0.01	0.27	ppbv	V0
Pressure		729.0	mmHg		n-Octane	0.02	0.20	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.56	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.08	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.12	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.17	ppbv	V0
2,3-Dimethylbutane	0.02	0.16	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.15	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.16	ppbv	V0					
3-Methylpentane	0.01	0.13	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	5.0	ppbv	V0					
Acetone	0.02	1.53	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.21	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.15	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.80	ppbv	V0					
Isopentane	0.03	0.78	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	6.5	ppbv	V0					
Methylethylketone	0.01	0.19	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.14	ppbv	V0					
Methylcyclopentane	0.02	0.17	ppbv	V0					
n-Butane	0.03	1.53	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.31	ppbv	V0					
n-Hexane	0.01	0.35	ppbv	V0					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210200511
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-20.0	°C		n-Nonane	0.01	0.25	ppbv	V0
Pressure		734.7	mmHg		n-Octane	0.02	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.55	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.07	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.14	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.09	ppbv	V0
2,3-Dimethylbutane	0.02	0.18	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.16	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.14	ppbv	V0					
3-Methylpentane	0.01	0.11	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.7	ppbv	V0					
Acetone	0.02	1.29	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.19	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.87	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.75	ppbv	V0					
Isopentane	0.03	0.64	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	4.7	ppbv	V0					
Methylethylketone	0.01	0.18	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.09	ppbv	V0					
Methylcyclopentane	0.02	0.14	ppbv	V0					
n-Butane	0.03	1.21	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.25	ppbv	V0					
n-Hexane	0.01	0.30	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200505
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		733.3	mmHg		n-Octane	0.02	0.12	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.20	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.08	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.12	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.09	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.08	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	1.5	ppbv	V0					
Acetone	0.02	0.48	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.15	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.42	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.26	ppbv	V0					
Isopentane	0.03	0.23	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	3.4	ppbv	V0					
Methylethylketone	0.01	0.12	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	1.31	ppbv	V4					
Methylcyclopentane	0.02	0.10	ppbv	V0					
n-Butane	0.03	0.35	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.18	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200469
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		707.5	mmHg		n-Octane	0.02	0.10	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.35	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.09	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.17	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.15	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.10	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.6	ppbv	V0					
Acetone	0.02	0.69	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.21	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.81	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.77	ppbv	V0					
Isopentane	0.03	0.66	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.02	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	3.3	ppbv	V0					
Methylethylketone	0.01	0.14	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	1.36	ppbv	V4					
Methylcyclopentane	0.02	0.11	ppbv	V0					
n-Butane	0.03	1.29	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.14	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200478
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		716.6	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.29	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.08	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.08	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.09	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.07	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.8	ppbv	V0					
Acetone	0.02	1.03	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.18	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.79	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.47	ppbv	V0					
Isopentane	0.03	0.35	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.04	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	3.0	ppbv	V0					
Methylethylketone	0.01	0.14	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.43	ppbv	V0					
Methylcyclopentane	0.02	0.08	ppbv	V0					
n-Butane	0.03	0.65	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.13	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210200464
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		713.3	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.50	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.10	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.11	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.10	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.10	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.0	ppbv	V0					
Acetone	0.02	1.80	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.22	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.79	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.67	ppbv	V0					
Isopentane	0.03	0.77	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.24	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	13.4	ppbv	V0					
Methylethylketone	0.01	0.15	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.39	ppbv	V0					
Methylcyclopentane	0.02	0.10	ppbv	V0					
n-Butane	0.03	1.33	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.22	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 210200480
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		735.5	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.35	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.09	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.10	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.18	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.08	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.8	ppbv	V0					
Acetone	0.02	1.26	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.21	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.15	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.81	ppbv	V0					
Isopentane	0.03	0.56	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	11.0	ppbv	V0					
Methylethylketone	0.01	0.16	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.61	ppbv	V0					
Methylcyclopentane	0.02	0.09	ppbv	V0					
n-Butane	0.03	1.15	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.14	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210200495
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		725.5	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.35	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.09	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.10	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.12	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.08	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.9	ppbv	V0					
Acetone	0.02	1.30	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.21	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.53	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.66	ppbv	V0					
Isopentane	0.03	0.46	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.09	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	14.1	ppbv	V0					
Methylethylketone	0.01	0.20	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.55	ppbv	V0					
Methylcyclopentane	0.02	0.08	ppbv	V0					
n-Butane	0.03	0.80	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.13	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210200515
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-0.8	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		713.7	mmHg		n-Octane	0.02	0.15	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.38	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.10	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.14	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.15	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.13	ppbv	V0					
3-Methylpentane	0.01	0.09	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	5.1	ppbv	V0					
Acetone	0.02	1.27	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.18	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.21	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.86	ppbv	V0					
Isopentane	0.03	0.48	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.07	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	14.1	ppbv	V0					
Methylethylketone	0.01	0.14	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	2.64	ppbv	V4					
Methylcyclopentane	0.02	0.11	ppbv	V0					
n-Butane	0.03	1.06	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.21	ppbv	V0					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210200516
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-0.3	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		712.8	mmHg		n-Octane	0.02	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.39	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.10	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.16	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.14	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.16	ppbv	V0					
3-Methylpentane	0.01	0.12	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	5.0	ppbv	V0					
Acetone	0.02	1.53	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.18	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.60	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.84	ppbv	V0					
Isopentane	0.03	0.57	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.12	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	14.8	ppbv	V0					
Methylethylketone	0.01	0.28	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	3.21	ppbv	V4					
Methylcyclopentane	0.02	0.13	ppbv	V0					
n-Butane	0.03	0.86	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.25	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210200531
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.5	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		709.8	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.32	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.09	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.07	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.10	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.06	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.4	ppbv	V0					
Acetone	0.02	2.51	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.16	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.01	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.57	ppbv	V0					
Isopentane	0.03	0.37	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.10	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	5.5	ppbv	V0					
Methylethylketone	0.01	0.12	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.23	ppbv	V0					
Methylcyclopentane	0.02	0.07	ppbv	V0					
n-Butane	0.03	0.46	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.09	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210200534
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-0.5	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		712.7	mmHg		n-Octane	0.02	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.45	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.11	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.15	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.13	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.14	ppbv	V0					
3-Methylpentane	0.01	0.11	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.0	ppbv	V0					
Acetone	0.02	1.28	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.18	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.17	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.68	ppbv	V0					
Isopentane	0.03	0.63	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.14	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	9.6	ppbv	V0					
Methylethylketone	0.01	0.11	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	3.56	ppbv	V4					
Methylcyclopentane	0.02	0.13	ppbv	V0					
n-Butane	0.03	0.99	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.25	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210200548
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		2.2	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		694.5	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.11	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.10	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.6	ppbv	V0					
Acetone	0.02	1.30	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.18	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.80	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.46	ppbv	V0					
Isopentane	0.03	0.28	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.10	ppbv	V0					
Methanol	0.3	7.6	ppbv	V0					
Methylethylketone	0.01	0.20	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.46	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.09	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210200549
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		1.3	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		713.6	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.29	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.11	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.13	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	5.1	ppbv	V0					
Acetone	0.02	1.59	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.19	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	3.64	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.85	ppbv	V0					
Isopentane	0.03	0.49	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.11	ppbv	V0					
Methanol	0.3	54.2	ppbv	V0					
Methylethylketone	0.01	0.15	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.91	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.21	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200542
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		1.9	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		690.1	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.09	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.08	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.0	ppbv	V0					
Acetone	0.02	0.71	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.17	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.02	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.35	ppbv	V0					
Isopentane	0.03	0.20	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.10	ppbv	V0					
Methanol	0.3	4.3	ppbv	V0					
Methylethylketone	0.01	0.11	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.35	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.10	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200550
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		1.8	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		697.4	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.13	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.18	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.11	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.2	ppbv	V0					
Acetone	0.02	1.98	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.18	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	19.20	ppbv	V4					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.54	ppbv	V0					
Isopentane	0.03	0.22	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.16	ppbv	V0					
Methanol	0.3	7.4	ppbv	V0					
Methylethylketone	0.01	0.26	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.26	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.09	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210200551
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		2.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		705.0	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.10	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.11	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.5	ppbv	V0					
Acetone	0.02	1.60	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.17	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.74	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.59	ppbv	V0					
Isopentane	0.03	0.32	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.10	ppbv	V0					
Methanol	0.3	14.1	ppbv	V0					
Methylethylketone	0.01	0.12	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.55	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.09	ppbv	V0					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210200616
Start Date:	2021-02-24 16:05	End Date:	2021-02-24 16:06	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.08	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.75	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	1.6	ppbv	V0					
Acetone	0.02	0.08	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.10	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	-8888	ppbv	V1					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.28	ppbv	V0					
Isopentane	0.03	0.04	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.09	ppbv	V0					
Methanol	0.3	-8888	ppbv	V1					
Methylethylketone	0.01	0.02	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.13	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.08	ppbv	V0					
n-Nonane	0.01	-8888	ppbv	V1					
n-Octane	0.02	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210200590
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		713.6	mmHg		n-Octane	0.02	0.10	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.08	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.10	ppbv	V0	Toluene	0.01	0.13	ppbv	V0
2,3-Dimethylbutane	0.02	0.08	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	0.07	ppbv	V0	1-Butene/Isobutylene	0.03	0.15	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.08	ppbv	V0					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	1.8	ppbv	V0					
Acetone	0.02	0.81	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.14	ppbv	V0					
Cyclopentane	0.01	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.65	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.34	ppbv	V0					
Isopentane	0.03	0.31	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.13	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	3.6	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.10	ppbv	V0					
n-Butane	0.03	0.46	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.15	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210200605
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		735.9	mmHg		n-Octane	0.02	0.13	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.52	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.11	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.10	ppbv	V0	Toluene	0.01	0.16	ppbv	V0
2,3-Dimethylbutane	0.02	0.14	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	0.11	ppbv	V0	1-Butene/Isobutylene	0.03	0.23	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.17	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.11	ppbv	V0					
3-Methylpentane	0.01	0.12	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.4	ppbv	V0					
Acetone	0.02	1.15	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.16	ppbv	V0					
Cyclopentane	0.01	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.25	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.66	ppbv	V0					
Isopentane	0.03	0.63	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.26	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	11.7	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.13	ppbv	V0					
n-Butane	0.03	0.76	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.20	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210200561
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-21.2	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		736.0	mmHg		n-Octane	0.02	0.13	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	3.11	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.11	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.55	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.11	ppbv	V0	Toluene	0.01	0.09	ppbv	V0
2,3-Dimethylbutane	0.02	0.47	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.14	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	0.11	ppbv	V0	1-Butene/Isobutylene	0.03	0.20	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.81	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.12	ppbv	V0					
3-Methylpentane	0.01	0.73	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	6.3	ppbv	V0					
Acetone	0.02	1.33	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.21	ppbv	V0					
Cyclopentane	0.01	0.54	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.62	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	1.23	ppbv	V0					
Isopentane	0.03	3.29	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.19	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	7.9	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.20	ppbv	V0					
n-Butane	0.03	2.02	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.46	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210200625
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		725.9	mmHg		n-Octane	0.02	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.48	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.10	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.10	ppbv	V0	Toluene	0.01	0.20	ppbv	V0
2,3-Dimethylbutane	0.02	0.12	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	0.12	ppbv	V0	1-Butene/Isobutylene	0.03	0.21	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.13	ppbv	V0					
3-Methylpentane	0.01	0.14	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.0	ppbv	V0					
Acetone	0.02	1.06	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.16	ppbv	V0					
Cyclopentane	0.01	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.93	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.77	ppbv	V0					
Isopentane	0.03	0.71	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.17	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	8.5	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.14	ppbv	V0					
n-Butane	0.03	1.01	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.21	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 210300664
Start Date:	2021-03-01 13:45	End Date:	2021-03-01 13:46	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.9	ppbv	V0					
Acetone	0.02	0.30	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.35	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.64	ppbv	V0					
Isopentane	0.03	0.23	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	-8888	ppbv	V1					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	-8888	ppbv	V1					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					
n-Nonane	0.01	-8888	ppbv	V1					
n-Octane	0.02	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200569
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-20.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		733.4	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	2.41	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.10	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.46	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	0.42	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.22	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.66	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.41	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	5.8	ppbv	V0					
Acetone	0.02	1.31	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.45	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.48	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	1.14	ppbv	V0					
Isopentane	0.03	2.15	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.14	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	6.3	ppbv	V0					
Methylethylketone	0.01	0.18	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.14	ppbv	V0					
n-Butane	0.03	0.69	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.25	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200615
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		707.5	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.44	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.09	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.2	ppbv	V0					
Acetone	0.02	1.14	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.87	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.63	ppbv	V0					
Isopentane	0.03	0.52	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.13	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	3.3	ppbv	V0					
Methylethylketone	0.01	0.16	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.69	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.16	ppbv	V0					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210200572
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-21.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		730.6	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	1.30	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.09	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.23	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	0.25	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.16	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.21	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.15	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	5.9	ppbv	V0					
Acetone	0.02	1.21	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.19	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.21	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	1.18	ppbv	V0					
Isopentane	0.03	1.36	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.16	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	2.2	ppbv	V0					
Methylethylketone	0.01	0.16	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.12	ppbv	V0					
n-Butane	0.03	0.54	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.15	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210200575
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-21.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		734.8	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	2.57	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.12	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.43	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	0.42	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.21	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.74	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.43	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	7.2	ppbv	V0					
Acetone	0.02	1.76	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.48	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.83	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	1.44	ppbv	V0					
Isopentane	0.03	2.92	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.31	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	9.8	ppbv	V0					
Methylethylketone	0.01	0.18	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.18	ppbv	V0					
n-Butane	0.03	2.31	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.39	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200597
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		715.6	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.33	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.09	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.20	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.08	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	5.1	ppbv	V0					
Acetone	0.02	2.07	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	6.70	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	1.02	ppbv	V0					
Isopentane	0.03	0.55	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.17	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	5.8	ppbv	V0					
Methylethylketone	0.01	0.25	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.66	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.14	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 210300659
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		2.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		712.1	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.78	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.10	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.20	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.20	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.12	ppbv	V0					
3-Methylpentane	0.01	0.14	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.6	ppbv	V0					
Acetone	0.02	2.90	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.29	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.22	ppbv	V0					
Cyclopentane	0.01	0.13	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.99	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.96	ppbv	V0					
Isopentane	0.03	0.86	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.14	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	8.4	ppbv	V0					
Methylethylketone	0.01	0.47	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.07	ppbv	V0					
Methylcyclopentane	0.02	0.12	ppbv	V0					
n-Butane	0.03	1.39	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.20	ppbv	V0					
n-Hexane	0.01	0.26	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 210300728
Start Date:	2021-03-08 14:40	End Date:	2021-03-08 14:41	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.15	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	1.17	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.11	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.3	ppbv	V0					
Acetone	0.02	0.50	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.33	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.55	ppbv	V0					
Isopentane	0.03	0.17	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.06	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	0.5	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.11	ppbv	V0					
n-Butane	0.03	0.27	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.18	ppbv	V0					
n-Nonane	0.01	-8888	ppbv	V1					
n-Octane	0.02	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210300671
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		1.7	°C		n-Nonane	0.01	0.09	ppbv	V0
Pressure		732.0	mmHg		n-Octane	0.02	0.13	ppbv	V0
1,2,4-Trimethylbenzene	0.01	0.07	ppbv	V0	n-Pentane	0.03	0.95	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	0.07	ppbv	V0
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.18	ppbv	V0
1-Pentene	0.01	0.11	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.10	ppbv	V0	o-Xylene	0.03	0.07	ppbv	V0
2,2-Dimethylbutane	0.01	0.19	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.15	ppbv	V0	Toluene	0.01	0.21	ppbv	V0
2,3-Dimethylbutane	0.02	0.17	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	0.09	ppbv	V0	1-Butene/Isobutylene	0.03	0.22	ppbv	V0
2-Methylhexane	0.01	0.10	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.25	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.14	ppbv	V0					
3-Methylpentane	0.01	0.31	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.7	ppbv	V0					
Acetone	0.02	2.34	ppbv	V0					
alpha-Pinene	0.01	0.23	ppbv	V0					
Benzene	0.01	0.26	ppbv	V0					
beta-Pinene	0.01	0.11	ppbv	V0					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.22	ppbv	V0					
Cyclopentane	0.01	0.19	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	3.70	ppbv	V0					
Ethylbenzene	0.01	0.15	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.98	ppbv	V0					
Isopentane	0.03	0.97	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.33	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.18	ppbv	V0					
Methanol	0.3	52.5	ppbv	V0					
Methylethylketone	0.01	0.41	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.08	ppbv	V0					
Methylcyclopentane	0.02	0.15	ppbv	V0					
n-Butane	0.03	1.53	ppbv	V0					
n-Decane	0.02	0.07	ppbv	V0					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.23	ppbv	V0					
n-Hexane	0.01	0.30	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID: 210300679
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-1.3	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		732.7	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	2.16	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.19	ppbv	V0
1-Pentene	0.01	0.11	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.40	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.17	ppbv	V0
2,3-Dimethylbutane	0.02	0.30	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.22	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.59	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.12	ppbv	V0					
3-Methylpentane	0.01	0.44	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.8	ppbv	V0					
Acetone	0.02	2.63	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.25	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.22	ppbv	V0					
Cyclopentane	0.01	0.37	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.87	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	1.00	ppbv	V0					
Isopentane	0.03	1.88	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.13	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	9.4	ppbv	V0					
Methylethylketone	0.01	0.38	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.07	ppbv	V0					
Methylcyclopentane	0.02	0.13	ppbv	V0					
n-Butane	0.03	1.25	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.20	ppbv	V0					
n-Hexane	0.01	0.29	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210300713
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		0.4	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		729.9	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.61	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.11	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.16	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	0.17	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.17	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	6.4	ppbv	V0					
Acetone	0.02	1.68	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.21	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.18	ppbv	V0					
Cyclopentane	0.01	0.14	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.59	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	1.16	ppbv	V0					
Isopentane	0.03	0.96	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.16	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	13.5	ppbv	V0					
Methylethylketone	0.01	0.35	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.13	ppbv	V0					
n-Butane	0.03	1.26	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.17	ppbv	V0					
n-Hexane	0.01	0.21	ppbv	V0					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210300692
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		0.7	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		706.4	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.79	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.11	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	0.06	ppbv	V0					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.12	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	5.7	ppbv	V0					
Acetone	0.02	1.61	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.25	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.16	ppbv	V0					
Cyclopentane	0.01	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.88	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	1.02	ppbv	V0					
Isopentane	0.03	1.12	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.15	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	7.7	ppbv	V0					
Methylethylketone	0.01	0.31	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.13	ppbv	V0					
n-Butane	0.03	1.32	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.15	ppbv	V0					
n-Hexane	0.01	0.23	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210300718
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.6	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		728.9	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.44	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.11	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.30	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	0.32	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.24	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	12.6	ppbv	V0					
Acetone	0.02	1.50	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.20	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.47	ppbv	V0					
Cyclopentane	0.01	0.20	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.82	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	2.24	ppbv	V0					
Isopentane	0.03	2.04	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.14	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	4.6	ppbv	V0					
Methylethylketone	0.01	0.31	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.23	ppbv	V0					
n-Butane	0.03	1.31	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.21	ppbv	V0					
n-Hexane	0.01	0.21	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210300719
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

### Notes

Initial Canaster Pressure -30 inHg, attached line to canaster and noticed a leak in the line. As a result, canister pressure went to -5 inHg. New line installed. No leak present.

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.5	°C		n-Hexane	0.01	-9999	ppbv	M2
Pressure		731.3	mmHg		n-Nonane	0.01	-9999	ppbv	M2
1,2,4-Trimethylbenzene	0.01	-9999	ppbv	M2	n-Octane	0.02	-9999	ppbv	M2
1,3,5-Trimethylbenzene	0.02	-9999	ppbv	M2	n-Pentane	0.03	-9999	ppbv	M2
1,3-Butadiene	0.02	-9999	ppbv	M2	n-Propylbenzene	0.01	-9999	ppbv	M2
1-Pentene	0.01	-9999	ppbv	M2	n-Undecane	0.01	-9999	ppbv	M2
2,2,4-Trimethylpentane	0.01	-9999	ppbv	M2	Naphthalene	0.01	-9999	ppbv	M2
2,2-Dimethylbutane	0.01	-9999	ppbv	M2	o-Xylene	0.03	-9999	ppbv	M2
2,3,4-Trimethylpentane	0.01	-9999	ppbv	M2	Styrene	0.04	-9999	ppbv	M2
2,3-Dimethylbutane	0.02	-9999	ppbv	M2	Toluene	0.01	-9999	ppbv	M2
2,3-Dimethylpentane	0.02	-9999	ppbv	M2	trans-2-Butene	0.01	-9999	ppbv	M2
2,4-Dimethylpentane	0.01	-9999	ppbv	M2	trans-2-Hexene	0.01	-9999	ppbv	M2
2-Methyl-2-butene	0.01	-9999	ppbv	M2	trans-2-Pentene	0.02	-9999	ppbv	M2
2-Methylheptane	0.01	-9999	ppbv	M2	Methylvinylketone	0.04	-9999	ppbv	M2
2-Methylhexane	0.01	-9999	ppbv	M2	1-Butene/Isobutylene	0.03	-9999	ppbv	M2
2-Methylpentane	0.01	-9999	ppbv	M2	1-Hexene/2-Methyl-1-pentene	0.02	-9999	ppbv	M2
3-Methyl-1-butene	0.02	-9999	ppbv	M2					
3-Methylheptane	0.02	-9999	ppbv	M2					
3-Methylhexane	0.01	-9999	ppbv	M2					
3-Methylpentane	0.01	-9999	ppbv	M2					
4-Methyl-1-pentene	0.01	-9999	ppbv	M2					
Acetaldehyde	0.2	-9999	ppbv	M2					
Acetone	0.02	-9999	ppbv	M2					
alpha-Pinene	0.01	-9999	ppbv	M2					
Benzene	0.01	-9999	ppbv	M2					
beta-Pinene	0.01	-9999	ppbv	M2					
cis-2-Butene	0.02	-9999	ppbv	M2					
cis-2-Hexene	0.01	-9999	ppbv	M2					
cis-2-Pentene	0.02	-9999	ppbv	M2					
Cyclohexane	0.02	-9999	ppbv	M2					
Cyclopentane	0.01	-9999	ppbv	M2					
Cyclopentene	0.02	-9999	ppbv	M2					
Ethanol	0.02	-9999	ppbv	M2					
Ethylbenzene	0.01	-9999	ppbv	M2					
Formaldehyde	1	-9999	ppbv	M2					
Isobutane	0.05	-9999	ppbv	M2					
Isopentane	0.03	-9999	ppbv	M2					
Isoprene	0.01	-9999	ppbv	M2					
Isopropylalcohol	0.02	-9999	ppbv	M2					
Isopropylbenzene	0.03	-9999	ppbv	M2					
m,p-Xylene	0.03	-9999	ppbv	M2					
Methanol	0.3	-9999	ppbv	M2					
Methylethylketone	0.01	-9999	ppbv	M2					
Methylisobutylketone	0.02	-9999	ppbv	M2					
Methylcyclohexane	0.01	-9999	ppbv	M2					
Methylcyclopentane	0.02	-9999	ppbv	M2					
n-Butane	0.03	-9999	ppbv	M2					
n-Decane	0.02	-9999	ppbv	M2					
n-Dodecane	0.02	-9999	ppbv	M2					
n-Heptane	0.03	-9999	ppbv	M2					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210300688
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		0.3	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		714.5	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.48	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.14	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.34	ppbv	V0
2,3-Dimethylbutane	0.02	0.12	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.16	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	6.2	ppbv	V0					
Acetone	0.02	2.25	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.24	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.16	ppbv	V0					
Cyclopentane	0.01	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	18.80	ppbv	V4					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	1.12	ppbv	V0					
Isopentane	0.03	1.32	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.48	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	8.5	ppbv	V0					
Methylethylketone	0.01	0.45	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.17	ppbv	V0					
n-Butane	0.03	2.08	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.16	ppbv	V0					
n-Hexane	0.01	0.31	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210300677
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		2.1	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		723.9	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.42	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.12	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.09	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	6.2	ppbv	V0					
Acetone	0.02	2.34	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.19	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.14	ppbv	V0					
Cyclopentane	0.01	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.99	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	1.11	ppbv	V0					
Isopentane	0.03	0.56	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.21	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	48.6	ppbv	V0					
Methylethylketone	0.01	0.39	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.11	ppbv	V0					
n-Butane	0.03	1.36	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.16	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210300729
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-8.4	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		713.7	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.10	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.11	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.07	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.08	ppbv	V0					
3-Methylpentane	0.01	0.08	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.4	ppbv	V0					
Acetone	0.02	1.77	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.20	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.15	ppbv	V0					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.03	ppbv	V0					
Ethylbenzene	0.01	0.09	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.45	ppbv	V0					
Isopentane	0.03	0.31	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.14	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.13	ppbv	V0					
Methanol	0.3	6.1	ppbv	V0					
Methylethylketone	0.01	0.24	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.06	ppbv	V0					
Methylcyclopentane	0.02	0.11	ppbv	V0					
n-Butane	0.03	0.47	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.14	ppbv	V0					
n-Hexane	0.01	0.14	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210300736
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-9.6	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		734.4	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.50	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.13	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.19	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.09	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.20	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.10	ppbv	V0					
3-Methylpentane	0.01	0.13	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	6.7	ppbv	V0					
Acetone	0.02	1.67	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.25	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.16	ppbv	V0					
Cyclopentane	0.01	0.14	ppbv	V0					
Cyclopentene	0.02	0.08	ppbv	V0					
Ethanol	0.02	3.83	ppbv	V0					
Ethylbenzene	0.01	0.10	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	1.24	ppbv	V0					
Isopentane	0.03	1.24	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.41	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.16	ppbv	V0					
Methanol	0.3	40.9	ppbv	V0					
Methylethylketone	0.01	0.29	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.06	ppbv	V0					
Methylcyclopentane	0.02	0.14	ppbv	V0					
n-Butane	0.03	1.79	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.15	ppbv	V0					
n-Hexane	0.01	0.23	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210300737
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-10.7	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		734.1	mmHg		n-Octane	0.02	0.23	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.65	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.13	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.19	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.24	ppbv	V0
2,3-Dimethylbutane	0.02	0.19	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.08	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.27	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.21	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.20	ppbv	V0					
3-Methylpentane	0.01	0.16	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.0	ppbv	V0					
Acetone	0.02	1.62	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.29	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.19	ppbv	V0					
Cyclopentane	0.01	0.17	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.22	ppbv	V0					
Ethylbenzene	0.01	0.11	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.75	ppbv	V0					
Isopentane	0.03	0.70	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.20	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.18	ppbv	V0					
Methanol	0.3	11.9	ppbv	V0					
Methylethylketone	0.01	0.25	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.14	ppbv	V0					
Methylcyclopentane	0.02	0.19	ppbv	V0					
n-Butane	0.03	0.87	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.39	ppbv	V0					
n-Hexane	0.01	0.36	ppbv	V0					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300765
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		735.0	mmHg		n-Octane	0.02	0.28	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.70	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.13	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.19	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.26	ppbv	V0
2,3-Dimethylbutane	0.02	0.21	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.08	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.24	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.26	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.21	ppbv	V0					
3-Methylpentane	0.01	0.18	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	5.2	ppbv	V0					
Acetone	0.02	1.94	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.24	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.21	ppbv	V0					
Cyclopentane	0.01	0.18	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.70	ppbv	V0					
Ethylbenzene	0.01	0.12	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.96	ppbv	V0					
Isopentane	0.03	0.92	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.17	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.20	ppbv	V0					
Methanol	0.3	8.7	ppbv	V0					
Methylethylketone	0.01	0.25	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.17	ppbv	V0					
Methylcyclopentane	0.02	0.20	ppbv	V0					
n-Butane	0.03	0.99	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.44	ppbv	V0					
n-Hexane	0.01	0.38	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 210300772
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-9.3	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		706.8	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.31	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.12	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.11	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.20	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.08	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.3	ppbv	V0					
Acetone	0.02	140.00	ppbv	V4					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.21	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.15	ppbv	V0					
Cyclopentane	0.01	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.10	ppbv	V0					
Ethylbenzene	0.01	0.09	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.61	ppbv	V0					
Isopentane	0.03	0.45	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.23	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.13	ppbv	V0					
Methanol	0.3	7.7	ppbv	V0					
Methylethylketone	0.01	0.24	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.06	ppbv	V0					
Methylcyclopentane	0.02	0.11	ppbv	V0					
n-Butane	0.03	0.59	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.15	ppbv	V0					
n-Hexane	0.01	0.14	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 210300834
Start Date:	2021-03-16 11:10	End Date:	2021-03-16 11:11	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	0.4	ppbv	V0					
Acetone	0.02	-8888	ppbv	V1					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	-8888	ppbv	V1					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	-8888	ppbv	V1					
Isopentane	0.03	-8888	ppbv	V1					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	-8888	ppbv	V1					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	-8888	ppbv	V1					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					
n-Nonane	0.01	-8888	ppbv	V1					
n-Octane	0.02	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Ells River	Loc ID:	ELSR	WBEA ID: 210300751
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		728.4	mmHg		n-Octane	0.02	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.48	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.10	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.17	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.15	ppbv	V0
2,3-Dimethylbutane	0.02	0.16	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.07	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.11	ppbv	V0					
3-Methylpentane	0.01	0.19	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.2	ppbv	V0					
Acetone	0.02	1.06	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.22	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.20	ppbv	V0					
Cyclopentane	0.01	0.16	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.52	ppbv	V0					
Ethylbenzene	0.01	0.10	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.61	ppbv	V0					
Isopentane	0.03	0.69	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.15	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.16	ppbv	V0					
Methanol	0.3	2.2	ppbv	V0					
Methylethylketone	0.01	0.23	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.13	ppbv	V0					
Methylcyclopentane	0.02	0.14	ppbv	V0					
n-Butane	0.03	0.43	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.22	ppbv	V0					
n-Hexane	0.01	0.22	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID: 210300748
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		732.9	mmHg		n-Octane	0.02	0.30	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.85	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.13	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.25	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.24	ppbv	V0
2,3-Dimethylbutane	0.02	0.28	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.08	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.24	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.28	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.18	ppbv	V0					
3-Methylpentane	0.01	0.16	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	6.0	ppbv	V0					
Acetone	0.02	1.96	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.23	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.21	ppbv	V0					
Cyclopentane	0.01	0.20	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.17	ppbv	V0					
Ethylbenzene	0.01	0.11	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	1.10	ppbv	V0					
Isopentane	0.03	1.01	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.17	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.19	ppbv	V0					
Methanol	0.3	9.7	ppbv	V0					
Methylethylketone	0.01	0.36	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.18	ppbv	V0					
Methylcyclopentane	0.02	0.17	ppbv	V0					
n-Butane	0.03	0.93	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.39	ppbv	V0					
n-Hexane	0.01	0.31	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: VOC Canister  
 Location: Janvier  
 Start Date: 2021-03-11 00:00

Samp Use: Exposure  
 Loc ID: JANV  
 End Date: 2021-03-12 00:00

Set Index: 1  
 WBEA ID: 210300780  
 Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-8.7	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		716.1	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.28	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.11	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.11	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.18	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.08	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.9	ppbv	V0					
Acetone	0.02	2.59	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.21	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.15	ppbv	V0					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	9.74	ppbv	V0					
Ethylbenzene	0.01	0.09	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.90	ppbv	V0					
Isopentane	0.03	0.40	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.19	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.13	ppbv	V0					
Methanol	0.3	5.7	ppbv	V0					
Methylethylketone	0.01	0.32	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.06	ppbv	V0					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.56	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.14	ppbv	V0					
n-Hexane	0.01	0.14	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210300740
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-8.4	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		725.2	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.31	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.11	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.14	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.07	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.21	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.09	ppbv	V0					
3-Methylpentane	0.01	0.09	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.1	ppbv	V0					
Acetone	0.02	1.89	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.24	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.16	ppbv	V0					
Cyclopentane	0.01	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.93	ppbv	V0					
Ethylbenzene	0.01	0.09	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.75	ppbv	V0					
Isopentane	0.03	0.57	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.21	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.15	ppbv	V0					
Methanol	0.3	16.2	ppbv	V0					
Methylethylketone	0.01	0.26	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.06	ppbv	V0					
Methylcyclopentane	0.02	0.12	ppbv	V0					
n-Butane	0.03	0.84	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.15	ppbv	V0					
n-Hexane	0.01	0.16	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210300872
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		719.8	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.3	ppbv	V0					
Acetone	0.02	2.11	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.34	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.20	ppbv	V0					
Isopentane	0.03	0.43	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	6.2	ppbv	V0					
Methylethylketone	0.01	0.02	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.77	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210300878
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-9.6	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		741.9	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.1	ppbv	V0					
Acetone	0.02	1.09	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.88	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.49	ppbv	V0					
Isopentane	0.03	0.33	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	9.1	ppbv	V0					
Methylethylketone	0.01	0.01	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.88	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210300919
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-12.8	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		741.8	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	1.7	ppbv	V0					
Acetone	0.02	0.98	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.96	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.07	ppbv	V0					
Isopentane	0.03	0.20	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	3.9	ppbv	V0					
Methylethylketone	0.01	0.02	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.15	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210300892
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		712.0	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	1.2	ppbv	V0					
Acetone	0.02	0.24	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.64	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	-8888	ppbv	V1					
Isopentane	0.03	-8888	ppbv	V1					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	1.7	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	-8888	ppbv	V1					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 210300930
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-9.5	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		721.9	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.9	ppbv	V0					
Acetone	0.02	2.01	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	10.70	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.35	ppbv	V0					
Isopentane	0.03	0.04	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	5.5	ppbv	V0					
Methylethylketone	0.01	0.07	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.09	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 210300929
Start Date:	2021-03-22 12:10	End Date:	2021-03-22 12:11	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.01	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	2.09	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	1.3	ppbv	V0					
Acetone	0.02	0.42	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.00	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.17	ppbv	V0					
Isopentane	0.03	0.29	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	3.8	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.97	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					
n-Nonane	0.01	-8888	ppbv	V1					
n-Octane	0.02	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210300885
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		732.2	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.07	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.4	ppbv	V0					
Acetone	0.02	2.54	ppbv	V0					
alpha-Pinene	0.01	0.05	ppbv	V0					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.93	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.43	ppbv	V0					
Isopentane	0.03	0.70	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	12.0	ppbv	V0					
Methylethylketone	0.01	0.04	ppbv	V0					
Methylisobutylketone	0.02	0.27	ppbv	V0					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	1.72	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210300986
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		733.5	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.06	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	0.08	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	0.09	ppbv	V0
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.07	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.1	ppbv	V0					
Acetone	0.02	1.23	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.13	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.63	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.34	ppbv	V0					
Isopentane	0.03	0.26	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	3.3	ppbv	V0					
Methylethylketone	0.01	0.13	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.22	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300947
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		742.6	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.45	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.09	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.06	ppbv	V0	Toluene	0.01	0.11	ppbv	V0
2,3-Dimethylbutane	0.02	0.11	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	0.11	ppbv	V0
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.08	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.10	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	1.8	ppbv	V0					
Acetone	0.02	1.33	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.16	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.06	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.49	ppbv	V0					
Isopentane	0.03	0.48	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	3.9	ppbv	V0					
Methylethylketone	0.01	0.16	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.56	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.09	ppbv	V0					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210301041
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

### Notes

Short sample duration due to power failure. (86360/ 86400)

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		734.7	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.06	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	0.08	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	0.08	ppbv	V0
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.07	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.0	ppbv	V0					
Acetone	0.02	1.19	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.13	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.64	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.33	ppbv	V0					
Isopentane	0.03	0.26	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	3.4	ppbv	V0					
Methylethylketone	0.01	0.13	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.23	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Field Procedure Blank	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 210301040	
Start Date: 2021-03-26 11:20	End Date: 2021-03-26 11:21	Duration: 0.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.43	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.29	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.23	ppbv	V0	o-Xylene	0.03	0.16	ppbv	V0
2,2-Dimethylbutane	0.01	0.05	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.10	ppbv	V0	Toluene	0.01	0.81	ppbv	V0
2,3-Dimethylbutane	0.02	0.13	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.26	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.15	ppbv	V0	trans-2-Pentene	0.02	0.09	ppbv	V0
2-Methyl-2-butene	0.01	0.11	ppbv	V0	Methylvinylketone	0.04	0.13	ppbv	V0
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	2.31	ppbv	V0
2-Methylhexane	0.01	0.11	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.17	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.14	ppbv	V0					
3-Methylpentane	0.01	0.24	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	1.3	ppbv	V0					
Acetone	0.02	3.39	ppbv	V0					
alpha-Pinene	0.01	0.10	ppbv	V0					
Benzene	0.01	0.13	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	0.15	ppbv	V0					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.07	ppbv	V0					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.15	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	3.36	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.86	ppbv	V0					
Isopentane	0.03	1.63	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.71	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.32	ppbv	V0					
Methanol	0.3	9.4	ppbv	V0					
Methylethylketone	0.01	0.20	ppbv	V0					
Methylisobutylketone	0.02	0.24	ppbv	V0					
Methylcyclohexane	0.01	0.07	ppbv	V0					
Methylcyclopentane	0.02	0.27	ppbv	V0					
n-Butane	0.03	3.59	ppbv	V0					
n-Decane	0.02	0.10	ppbv	V0					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.14	ppbv	V0					
n-Hexane	0.01	0.59	ppbv	V0					
n-Nonane	0.01	-8888	ppbv	V1					
n-Octane	0.02	0.09	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210300933
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		737.1	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.06	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	0.08	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	0.08	ppbv	V0
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.07	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	0.7	ppbv	V0					
Acetone	0.02	0.47	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.08	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.26	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.21	ppbv	V0					
Isopentane	0.03	0.21	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	0.7	ppbv	V0					
Methylethylketone	0.01	0.10	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.16	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.06	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210301044
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-9.3	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		728.9	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.05	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.10	ppbv	V0
2,3-Dimethylbutane	0.02	0.08	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	0.08	ppbv	V0
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	1.7	ppbv	V0					
Acetone	0.02	1.13	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.13	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.58	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.47	ppbv	V0					
Isopentane	0.03	0.31	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	2.5	ppbv	V0					
Methylethylketone	0.01	0.12	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.44	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210300936
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		740.6	mmHg		n-Octane	0.02	0.09	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.54	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.29	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.06	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.06	ppbv	V0	Toluene	0.01	0.16	ppbv	V0
2,3-Dimethylbutane	0.02	0.13	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.06	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	0.13	ppbv	V0
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	0.07	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.17	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.07	ppbv	V0					
3-Methylpentane	0.01	0.16	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	1.6	ppbv	V0					
Acetone	0.02	1.34	ppbv	V0					
alpha-Pinene	0.01	0.08	ppbv	V0					
Benzene	0.01	0.18	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.80	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.44	ppbv	V0					
Isopentane	0.03	0.58	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	3.2	ppbv	V0					
Methylethylketone	0.01	0.17	ppbv	V0					
Methylisobutylketone	0.02	0.20	ppbv	V0					
Methylcyclohexane	0.01	0.06	ppbv	V0					
Methylcyclopentane	0.02	0.07	ppbv	V0					
n-Butane	0.03	0.86	ppbv	V0					
n-Decane	0.02	0.10	ppbv	V0					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.12	ppbv	V0					
n-Hexane	0.01	0.15	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
Location: Fort McKay South  
Start Date: 2021-03-29 00:00

### Deployment Information

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-03-30 00:00

Set Index: 1  
WBEA ID: 210301047  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-9.8	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		732.1	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.20	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.05	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.10	ppbv	V0
2,3-Dimethylbutane	0.02	0.08	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	0.08	ppbv	V0
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	1.6	ppbv	V0					
Acetone	0.02	1.11	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.13	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.74	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.27	ppbv	V0					
Isopentane	0.03	0.29	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	3.5	ppbv	V0					
Methylethylketone	0.01	0.17	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.42	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.07	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210300794
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		4.3	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		714.2	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.6	ppbv	V0					
Acetone	0.02	1.54	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.94	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.33	ppbv	V0					
Isopentane	0.03	0.23	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	5.7	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.53	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 210300787
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		4.4	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		734.3	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.01	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.02	ppbv	V0					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.9	ppbv	V0					
Acetone	0.02	1.59	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.01	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	4.33	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.79	ppbv	V0					
Isopentane	0.03	0.52	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	49.4	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	1.64	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210300800
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.3	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		725.8	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.5	ppbv	V0					
Acetone	0.02	1.15	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.64	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.40	ppbv	V0					
Isopentane	0.03	0.21	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	13.0	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.55	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210300823
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		1.9	°C		n-Nonane	0.01	0.15	ppbv	V0
Pressure		734.0	mmHg		n-Octane	0.02	0.34	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.24	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	0.08	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	0.04	ppbv	V0					
3-Methylhexane	0.01	0.20	ppbv	V0					
3-Methylpentane	0.01	0.03	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.3	ppbv	V0					
Acetone	0.02	1.45	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.64	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.38	ppbv	V0					
Isopentane	0.03	0.26	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.06	ppbv	V0					
Methanol	0.3	8.4	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.13	ppbv	V0					
Methylcyclopentane	0.02	0.10	ppbv	V0					
n-Butane	0.03	0.50	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.38	ppbv	V0					
n-Hexane	0.01	0.18	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300822
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.0	°C		n-Nonane	0.01	0.12	ppbv	V0
Pressure		734.7	mmHg		n-Octane	0.02	0.26	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.22	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	0.05	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	0.02	ppbv	V0					
3-Methylhexane	0.01	0.17	ppbv	V0					
3-Methylpentane	0.01	0.03	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.8	ppbv	V0					
Acetone	0.02	1.52	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.20	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.14	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.46	ppbv	V0					
Isopentane	0.03	0.30	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.04	ppbv	V0					
Methanol	0.3	7.6	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.12	ppbv	V0					
Methylcyclopentane	0.02	0.08	ppbv	V0					
n-Butane	0.03	0.52	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.33	ppbv	V0					
n-Hexane	0.01	0.12	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210300835
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		2.2	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		707.6	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.4	ppbv	V0					
Acetone	0.02	1.38	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.86	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.29	ppbv	V0					
Isopentane	0.03	0.13	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	5.0	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.30	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210300805
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		4.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		730.2	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.3	ppbv	V0					
Acetone	0.02	1.19	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.62	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.29	ppbv	V0					
Isopentane	0.03	0.16	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	4.2	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.26	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210300808
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		1.6	°C		n-Nonane	0.01	0.09	ppbv	V0
Pressure		732.4	mmHg		n-Octane	0.02	0.20	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.03	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.13	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	0.02	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.10	ppbv	V0					
3-Methylpentane	0.01	0.01	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.5	ppbv	V0					
Acetone	0.02	1.36	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.35	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.39	ppbv	V0					
Isopentane	0.03	0.31	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	6.6	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.11	ppbv	V0					
Methylcyclopentane	0.02	0.04	ppbv	V0					
n-Butane	0.03	0.46	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.14	ppbv	V0					
n-Hexane	0.01	0.03	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210300837
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.6	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		716.9	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.9	ppbv	V0					
Acetone	0.02	1.33	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	8.77	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.41	ppbv	V0					
Isopentane	0.03	0.25	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	4.2	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.46	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210301011
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		710.7	mmHg		n-Octane	0.02	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.25	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.05	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.15	ppbv	V0
2,3-Dimethylbutane	0.02	0.06	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.04	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.6	ppbv	V0					
Acetone	0.02	2.22	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.17	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.19	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.30	ppbv	V0					
Isopentane	0.03	0.27	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	5.6	ppbv	V0					
Methylethylketone	0.01	0.21	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.26	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.09	ppbv	V0					
n-Hexane	0.01	0.08	ppbv	V0					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210300993
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-8.4	°C		n-Nonane	0.01	0.04	ppbv	V0
Pressure		732.9	mmHg		n-Octane	0.02	0.08	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.37	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.15	ppbv	V0
2,3-Dimethylbutane	0.02	0.07	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	0.04	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.04	ppbv	V0					
3-Methylpentane	0.01	0.06	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.9	ppbv	V0					
Acetone	0.02	2.21	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.18	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.05	ppbv	V0					
Cyclopentane	0.01	0.05	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.13	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.37	ppbv	V0					
Isopentane	0.03	0.39	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	6.2	ppbv	V0					
Methylethylketone	0.01	0.21	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.04	ppbv	V0					
Methylcyclopentane	0.02	0.07	ppbv	V0					
n-Butane	0.03	0.34	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.13	ppbv	V0					
n-Hexane	0.01	0.12	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210301021
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-9.5	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		702.7	mmHg		n-Octane	0.02	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.13	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.14	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.03	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.8	ppbv	V0					
Acetone	0.02	1.99	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.17	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.05	ppbv	V0					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.65	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.34	ppbv	V0					
Isopentane	0.03	0.27	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	4.9	ppbv	V0					
Methylethylketone	0.01	0.18	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.33	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.08	ppbv	V0					
n-Hexane	0.01	0.08	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 210301006
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-9.5	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		711.9	mmHg		n-Octane	0.02	0.08	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.39	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.05	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.05	ppbv	V0	o-Xylene	0.03	0.08	ppbv	V0
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.03	ppbv	V0	Toluene	0.01	0.24	ppbv	V0
2,3-Dimethylbutane	0.02	0.06	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.02	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	0.04	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.06	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.03	ppbv	V0					
3-Methylpentane	0.01	0.07	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.9	ppbv	V0					
Acetone	0.02	2.76	ppbv	V0					
alpha-Pinene	0.01	0.06	ppbv	V0					
Benzene	0.01	0.19	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.06	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	13.80	ppbv	V4					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.71	ppbv	V0					
Isopentane	0.03	0.78	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.25	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.21	ppbv	V0					
Methanol	0.3	7.0	ppbv	V0					
Methylethylketone	0.01	0.30	ppbv	V0					
Methylisobutylketone	0.02	0.05	ppbv	V0					
Methylcyclohexane	0.01	0.03	ppbv	V0					
Methylcyclopentane	0.02	0.08	ppbv	V0					
n-Butane	0.03	0.77	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.07	ppbv	V0					
n-Heptane	0.03	0.12	ppbv	V0					
n-Hexane	0.01	0.18	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210301000
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-9.6	°C		n-Nonane	0.01	0.06	ppbv	V0
Pressure		723.4	mmHg		n-Octane	0.02	0.10	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.55	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.04	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.07	ppbv	V0	o-Xylene	0.03	0.09	ppbv	V0
2,2-Dimethylbutane	0.01	0.09	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.03	ppbv	V0	Toluene	0.01	0.30	ppbv	V0
2,3-Dimethylbutane	0.02	0.08	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.03	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	0.03	ppbv	V0	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	0.10	ppbv	V0	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	0.06	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	0.06	ppbv	V0					
3-Methylhexane	0.01	0.07	ppbv	V0					
3-Methylpentane	0.01	0.13	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.6	ppbv	V0					
Acetone	0.02	2.81	ppbv	V0					
alpha-Pinene	0.01	0.06	ppbv	V0					
Benzene	0.01	0.19	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.06	ppbv	V0					
Cyclopentane	0.01	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.16	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.47	ppbv	V0					
Isopentane	0.03	0.88	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.26	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.23	ppbv	V0					
Methanol	0.3	6.7	ppbv	V0					
Methylethylketone	0.01	0.23	ppbv	V0					
Methylisobutylketone	0.02	0.05	ppbv	V0					
Methylcyclohexane	0.01	0.06	ppbv	V0					
Methylcyclopentane	0.02	0.12	ppbv	V0					
n-Butane	0.03	0.90	ppbv	V0					
n-Decane	0.02	0.04	ppbv	V0					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.18	ppbv	V0					
n-Hexane	0.01	0.25	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 210401115
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		2.1	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		711.8	mmHg		n-Octane	0.02	0.06	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.64	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.06	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.10	ppbv	V0	o-Xylene	0.03	0.09	ppbv	V0
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.04	ppbv	V0	Toluene	0.01	0.38	ppbv	V0
2,3-Dimethylbutane	0.02	0.06	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.05	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	0.06	ppbv	V0	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	0.07	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.07	ppbv	V0					
3-Methylpentane	0.01	0.09	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	5.4	ppbv	V0					
Acetone	0.02	3.13	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.23	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.07	ppbv	V0					
Cyclopentane	0.01	0.05	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.74	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.69	ppbv	V0					
Isopentane	0.03	1.26	ppbv	V0					
Isoprene	0.01	0.03	ppbv	V0					
Isopropylalcohol	0.02	0.57	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.23	ppbv	V0					
Methanol	0.3	15.6	ppbv	V0					
Methylethylketone	0.01	0.22	ppbv	V0					
Methylisobutylketone	0.02	0.07	ppbv	V0					
Methylcyclohexane	0.01	0.04	ppbv	V0					
Methylcyclopentane	0.02	0.11	ppbv	V0					
n-Butane	0.03	1.37	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.13	ppbv	V0					
n-Hexane	0.01	0.24	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210401121
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		4.0	°C		n-Nonane	0.01	0.04	ppbv	V0
Pressure		732.2	mmHg		n-Octane	0.02	0.07	ppbv	V0
1,2,4-Trimethylbenzene	0.01	0.10	ppbv	V0	n-Pentane	0.03	0.77	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.06	ppbv	V0
1-Pentene	0.01	0.11	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.19	ppbv	V0	o-Xylene	0.03	0.13	ppbv	V0
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.07	ppbv	V0	Toluene	0.01	0.57	ppbv	V0
2,3-Dimethylbutane	0.02	0.09	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.22	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.10	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	0.10	ppbv	V0	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	0.09	ppbv	V0	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	0.11	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	0.05	ppbv	V0					
3-Methylhexane	0.01	0.12	ppbv	V0					
3-Methylpentane	0.01	0.16	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	6.6	ppbv	V0					
Acetone	0.02	3.37	ppbv	V0					
alpha-Pinene	0.01	0.08	ppbv	V0					
Benzene	0.01	0.21	ppbv	V0					
beta-Pinene	0.01	0.05	ppbv	V0					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.05	ppbv	V0					
Cyclohexane	0.02	0.08	ppbv	V0					
Cyclopentane	0.01	0.06	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	5.80	ppbv	V0					
Ethylbenzene	0.01	0.13	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.86	ppbv	V0					
Isopentane	0.03	2.04	ppbv	V0					
Isoprene	0.01	0.03	ppbv	V0					
Isopropylalcohol	0.02	1.31	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.32	ppbv	V0					
Methanol	0.3	26.4	ppbv	V0					
Methylethylketone	0.01	0.22	ppbv	V0					
Methylisobutylketone	0.02	0.08	ppbv	V0					
Methylcyclohexane	0.01	0.06	ppbv	V0					
Methylcyclopentane	0.02	0.19	ppbv	V0					
n-Butane	0.03	2.52	ppbv	V4					
n-Decane	0.02	0.05	ppbv	V0					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.15	ppbv	V0					
n-Hexane	0.01	0.40	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 210301101
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		1.8	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		704.4	mmHg		n-Octane	0.02	0.04	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.25	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.04	ppbv	V0	o-Xylene	0.03	0.07	ppbv	V0
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.03	ppbv	V0	Toluene	0.01	0.18	ppbv	V0
2,3-Dimethylbutane	0.02	0.04	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.02	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	0.03	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.03	ppbv	V0					
3-Methylpentane	0.01	0.03	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.6	ppbv	V0					
Acetone	0.02	2.23	ppbv	V0					
alpha-Pinene	0.01	0.09	ppbv	V0					
Benzene	0.01	0.17	ppbv	V0					
beta-Pinene	0.01	0.06	ppbv	V0					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.62	ppbv	V0					
Ethylbenzene	0.01	0.09	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.43	ppbv	V0					
Isopentane	0.03	0.52	ppbv	V0					
Isoprene	0.01	0.04	ppbv	V0					
Isopropylalcohol	0.02	0.24	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.19	ppbv	V0					
Methanol	0.3	8.6	ppbv	V0					
Methylethylketone	0.01	0.19	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.05	ppbv	V0					
n-Butane	0.03	0.56	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.12	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210301107
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		0.9	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		713.0	mmHg		n-Octane	0.02	0.04	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.31	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.06	ppbv	V0
1-Pentene	0.01	0.05	ppbv	V0	Naphthalene	0.01	0.18	ppbv	V0
2,2,4-Trimethylpentane	0.01	0.04	ppbv	V0	o-Xylene	0.03	0.07	ppbv	V0
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.02	ppbv	V0	Toluene	0.01	0.19	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	0.04	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.03	ppbv	V0					
3-Methylpentane	0.01	0.03	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.6	ppbv	V0					
Acetone	0.02	3.72	ppbv	V0					
alpha-Pinene	0.01	0.09	ppbv	V0					
Benzene	0.01	0.18	ppbv	V0					
beta-Pinene	0.01	0.06	ppbv	V0					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	26.80	ppbv	V4					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.58	ppbv	V0					
Isopentane	0.03	0.54	ppbv	V0					
Isoprene	0.01	0.05	ppbv	V0					
Isopropylalcohol	0.02	0.31	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.18	ppbv	V0					
Methanol	0.3	8.9	ppbv	V0					
Methylethylketone	0.01	0.29	ppbv	V0					
Methylisobutylketone	0.02	0.07	ppbv	V0					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.05	ppbv	V0					
n-Butane	0.03	0.49	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.06	ppbv	V0					
n-Heptane	0.03	0.09	ppbv	V0					
n-Hexane	0.01	0.11	ppbv	V0					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210401132
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		4.2	°C		n-Nonane	0.01	0.05	ppbv	V0
Pressure		723.6	mmHg		n-Octane	0.02	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.01	0.09	ppbv	V0	n-Pentane	0.03	0.42	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.07	ppbv	V0
1-Pentene	0.01	0.05	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.07	ppbv	V0	o-Xylene	0.03	0.09	ppbv	V0
2,2-Dimethylbutane	0.01	0.05	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.04	ppbv	V0	Toluene	0.01	0.23	ppbv	V0
2,3-Dimethylbutane	0.02	0.06	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.03	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	0.11	ppbv	V0	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	0.07	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	0.06	ppbv	V0					
3-Methylhexane	0.01	0.08	ppbv	V0					
3-Methylpentane	0.01	0.07	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.6	ppbv	V0					
Acetone	0.02	2.67	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.22	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	5.35	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.58	ppbv	V0					
Isopentane	0.03	0.67	ppbv	V0					
Isoprene	0.01	0.04	ppbv	V0					
Isopropylalcohol	0.02	0.27	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.22	ppbv	V0					
Methanol	0.3	15.6	ppbv	V0					
Methylethylketone	0.01	0.20	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.07	ppbv	V0					
Methylcyclopentane	0.02	0.08	ppbv	V0					
n-Butane	0.03	0.74	ppbv	V0					
n-Decane	0.02	0.06	ppbv	V0					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.17	ppbv	V0					
n-Hexane	0.01	0.15	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Patricia McInnes		Samp Use: Field Procedure Blank	Loc ID: PATM	WBEA ID: 210401122
Start Date: 2021-04-01 14:20		End Date: 2021-04-01 14:21	Duration: 0.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	1.60	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	1.3	ppbv	V0					
Acetone	0.02	-8888	ppbv	V1					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.37	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.11	ppbv	V0					
Isopentane	0.03	-8888	ppbv	V1					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	-8888	ppbv	V1					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.08	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					
n-Nonane	0.01	-8888	ppbv	V1					
n-Octane	0.02	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401194
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-1.9	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		711.3	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.28	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.20	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.17	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.05	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.8	ppbv	V0					
Acetone	0.02	3.19	ppbv	V0					
alpha-Pinene	0.01	0.07	ppbv	V0					
Benzene	0.01	0.08	ppbv	V0					
beta-Pinene	0.01	0.07	ppbv	V0					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.33	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.18	ppbv	V0					
Isopentane	0.03	0.40	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.24	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.15	ppbv	V0					
Methanol	0.3	172.0	ppbv	V0					
Methylethylketone	0.01	0.24	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.03	ppbv	V0					
n-Butane	0.03	0.30	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.22	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.04	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210401187
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-1.7	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		732.1	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.25	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.05	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.16	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.4	ppbv	V0					
Acetone	0.02	3.07	ppbv	V0					
alpha-Pinene	0.01	0.08	ppbv	V0					
Benzene	0.01	0.06	ppbv	V0					
beta-Pinene	0.01	0.07	ppbv	V0					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.03	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.14	ppbv	V0					
Isopentane	0.03	0.27	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.27	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	209.0	ppbv	V4					
Methylethylketone	0.01	0.23	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.15	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.22	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210401135
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-3.5	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		733.9	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.68	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.19	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.12	ppbv	V0
2,3-Dimethylbutane	0.02	0.20	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.21	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.13	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.4	ppbv	V0					
Acetone	0.02	3.64	ppbv	V0					
alpha-Pinene	0.01	0.07	ppbv	V0					
Benzene	0.01	0.07	ppbv	V0					
beta-Pinene	0.01	0.07	ppbv	V0					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.57	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.14	ppbv	V0					
Isopentane	0.03	0.66	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.19	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	8.5	ppbv	V0					
Methylethylketone	0.01	0.23	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.03	ppbv	V0					
n-Butane	0.03	0.13	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.22	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.03	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401149
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-4.8	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		733.6	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.63	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.13	ppbv	V0
2,3-Dimethylbutane	0.02	0.17	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.05	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.7	ppbv	V0					
Acetone	0.02	2.96	ppbv	V0					
alpha-Pinene	0.01	0.07	ppbv	V0					
Benzene	0.01	0.07	ppbv	V0					
beta-Pinene	0.01	0.07	ppbv	V0					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	0.95	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.17	ppbv	V0					
Isopentane	0.03	0.42	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.18	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	6.4	ppbv	V0					
Methylethylketone	0.01	0.24	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.15	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.23	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Ells River	Loc ID:	ELSR	WBEA ID: 210401152
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-4.1	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		728.2	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.05	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.15	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.17	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.05	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.3	ppbv	V0					
Acetone	0.02	2.63	ppbv	V0					
alpha-Pinene	0.01	0.07	ppbv	V0					
Benzene	0.01	0.06	ppbv	V0					
beta-Pinene	0.01	0.07	ppbv	V0					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.21	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.13	ppbv	V0					
Isopentane	0.03	0.36	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.25	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	5.7	ppbv	V0					
Methylethylketone	0.01	0.21	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.03	ppbv	V0					
n-Butane	0.03	0.36	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.22	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.05	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID: 210401155
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-3.4	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		732.1	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.84	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.02	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.12	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.19	ppbv	V0
2,3-Dimethylbutane	0.02	0.19	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.19	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.09	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.1	ppbv	V0					
Acetone	0.02	2.70	ppbv	V0					
alpha-Pinene	0.01	0.08	ppbv	V0					
Benzene	0.01	0.08	ppbv	V0					
beta-Pinene	0.01	0.07	ppbv	V0					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.22	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.22	ppbv	V0					
Isopentane	0.03	0.79	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.42	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.16	ppbv	V0					
Methanol	0.3	447.0	ppbv	V4					
Methylethylketone	0.01	0.26	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.05	ppbv	V0					
n-Butane	0.03	0.49	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.23	ppbv	V0					
n-Heptane	0.03	0.06	ppbv	V0					
n-Hexane	0.01	0.09	ppbv	V0					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401176
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.6	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		723.6	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.17	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.04	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.9	ppbv	V0					
Acetone	0.02	4.03	ppbv	V0					
alpha-Pinene	0.01	0.07	ppbv	V0					
Benzene	0.01	0.07	ppbv	V0					
beta-Pinene	0.01	0.07	ppbv	V0					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.78	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.20	ppbv	V0					
Isopentane	0.03	0.27	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.38	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.16	ppbv	V0					
Methanol	0.3	50.5	ppbv	V0					
Methylethylketone	0.01	0.26	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.03	ppbv	V0					
n-Butane	0.03	0.26	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.23	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.04	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 210401186
Start Date:	2021-04-08 11:35	End Date:	2021-04-08 11:36	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	1.63	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	1.3	ppbv	V0					
Acetone	0.02	0.19	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	-8888	ppbv	V1					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	-8888	ppbv	V1					
Isopentane	0.03	-8888	ppbv	V1					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	1.0	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.07	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.22	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					
n-Nonane	0.01	-8888	ppbv	V1					
n-Octane	0.02	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 210401170
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-0.9	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		702.4	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.40	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.03	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.18	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.18	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.06	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.9	ppbv	V0					
Acetone	0.02	2.80	ppbv	V0					
alpha-Pinene	0.01	0.12	ppbv	V0					
Benzene	0.01	0.12	ppbv	V0					
beta-Pinene	0.01	0.10	ppbv	V0					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.56	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.31	ppbv	V0					
Isopentane	0.03	0.55	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.25	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.17	ppbv	V0					
Methanol	0.3	226.0	ppbv	V4					
Methylethylketone	0.01	0.24	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.04	ppbv	V0					
n-Butane	0.03	0.51	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.22	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.06	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401161
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-1.4	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		711.7	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.14	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	5.3	ppbv	V0					
Acetone	0.02	4.12	ppbv	V0					
alpha-Pinene	0.01	0.09	ppbv	V0					
Benzene	0.01	0.09	ppbv	V0					
beta-Pinene	0.01	0.07	ppbv	V0					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	25.90	ppbv	V4					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.48	ppbv	V0					
Isopentane	0.03	0.39	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.27	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	474.0	ppbv	V4					
Methylethylketone	0.01	0.31	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.02	ppbv	V0					
n-Butane	0.03	0.26	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	0.22	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.04	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210401241
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.5	°C		n-Nonane	0.01	0.21	ppbv	V0
Pressure		720.4	mmHg		n-Octane	0.02	0.39	ppbv	V0
1,2,4-Trimethylbenzene	0.01	0.12	ppbv	V0	n-Pentane	0.03	1.99	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	0.11	ppbv	V0
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.14	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	0.22	ppbv	V0
2,2-Dimethylbutane	0.01	0.65	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.05	ppbv	V0	Toluene	0.01	0.43	ppbv	V0
2,3-Dimethylbutane	0.02	0.34	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.13	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.08	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	0.26	ppbv	V0	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	0.13	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.43	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	0.12	ppbv	V0					
3-Methylhexane	0.01	0.23	ppbv	V0					
3-Methylpentane	0.01	0.42	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	5.5	ppbv	V0					
Acetone	0.02	4.92	ppbv	V0					
alpha-Pinene	0.01	0.10	ppbv	V0					
Benzene	0.01	0.17	ppbv	V0					
beta-Pinene	0.01	0.10	ppbv	V0					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.17	ppbv	V0					
Cyclopentane	0.01	0.23	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	4.32	ppbv	V0					
Ethylbenzene	0.01	0.22	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.44	ppbv	V0					
Isopentane	0.03	1.81	ppbv	V0					
Isoprene	0.01	0.15	ppbv	V0					
Isopropylalcohol	0.02	0.32	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.41	ppbv	V0					
Methanol	0.3	18.7	ppbv	V0					
Methylethylketone	0.01	0.30	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.30	ppbv	V0					
Methylcyclopentane	0.02	0.18	ppbv	V0					
n-Butane	0.03	0.29	ppbv	V0					
n-Decane	0.02	0.12	ppbv	V0					
n-Dodecane	0.02	0.16	ppbv	V0					
n-Heptane	0.03	0.43	ppbv	V0					
n-Hexane	0.01	0.32	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Ells River	Loc ID:	ELSR	WBEA ID: 210401221
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		7.9	°C		n-Nonane	0.01	0.16	ppbv	V0
Pressure		736.8	mmHg		n-Octane	0.02	0.26	ppbv	V0
1,2,4-Trimethylbenzene	0.01	0.10	ppbv	V0	n-Pentane	0.03	0.56	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	0.10	ppbv	V0
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.12	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	0.20	ppbv	V0
2,2-Dimethylbutane	0.01	0.09	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.05	ppbv	V0	Toluene	0.01	0.28	ppbv	V0
2,3-Dimethylbutane	0.02	0.23	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.07	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	0.18	ppbv	V0	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.17	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	0.09	ppbv	V0					
3-Methylhexane	0.01	0.15	ppbv	V0					
3-Methylpentane	0.01	0.14	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	5.0	ppbv	V0					
Acetone	0.02	4.06	ppbv	V0					
alpha-Pinene	0.01	0.15	ppbv	V0					
Benzene	0.01	0.11	ppbv	V0					
beta-Pinene	0.01	0.12	ppbv	V0					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.18	ppbv	V0					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.25	ppbv	V0					
Ethylbenzene	0.01	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.40	ppbv	V0					
Isopentane	0.03	0.63	ppbv	V0					
Isoprene	0.01	0.19	ppbv	V0					
Isopropylalcohol	0.02	0.31	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.35	ppbv	V0					
Methanol	0.3	11.0	ppbv	V0					
Methylethylketone	0.01	0.26	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.20	ppbv	V0					
Methylcyclopentane	0.02	0.12	ppbv	V0					
n-Butane	0.03	0.12	ppbv	V0					
n-Decane	0.02	0.09	ppbv	V0					
n-Dodecane	0.02	0.16	ppbv	V0					
n-Heptane	0.03	0.29	ppbv	V0					
n-Hexane	0.01	0.20	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210401224
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		8.6	°C		n-Nonane	0.01	0.20	ppbv	V0
Pressure		740.8	mmHg		n-Octane	0.02	0.37	ppbv	V0
1,2,4-Trimethylbenzene	0.01	0.12	ppbv	V0	n-Pentane	0.03	1.33	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	0.11	ppbv	V0
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.13	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	0.22	ppbv	V0
2,2-Dimethylbutane	0.01	0.51	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.05	ppbv	V0	Toluene	0.01	0.34	ppbv	V0
2,3-Dimethylbutane	0.02	0.32	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.13	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.08	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	0.28	ppbv	V0	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	0.12	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.28	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	0.11	ppbv	V0					
3-Methylhexane	0.01	0.20	ppbv	V0					
3-Methylpentane	0.01	0.26	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	5.5	ppbv	V0					
Acetone	0.02	6.29	ppbv	V0					
alpha-Pinene	0.01	0.23	ppbv	V0					
Benzene	0.01	0.14	ppbv	V0					
beta-Pinene	0.01	0.12	ppbv	V0					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.18	ppbv	V0					
Cyclopentane	0.01	0.14	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.73	ppbv	V0					
Ethylbenzene	0.01	0.21	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.44	ppbv	V0					
Isopentane	0.03	1.26	ppbv	V0					
Isoprene	0.01	0.19	ppbv	V0					
Isopropylalcohol	0.02	0.36	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.39	ppbv	V0					
Methanol	0.3	19.2	ppbv	V0					
Methylethylketone	0.01	0.30	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.28	ppbv	V0					
Methylcyclopentane	0.02	0.16	ppbv	V0					
n-Butane	0.03	0.26	ppbv	V0					
n-Decane	0.02	0.12	ppbv	V0					
n-Dodecane	0.02	0.16	ppbv	V0					
n-Heptane	0.03	0.39	ppbv	V0					
n-Hexane	0.01	0.28	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401238
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		7.1	°C		n-Nonane	0.01	0.25	ppbv	V0
Pressure		743.7	mmHg		n-Octane	0.02	0.48	ppbv	V0
1,2,4-Trimethylbenzene	0.01	0.13	ppbv	V0	n-Pentane	0.03	2.08	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	0.11	ppbv	V0
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.14	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	0.24	ppbv	V0
2,2-Dimethylbutane	0.01	0.22	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.06	ppbv	V0	Toluene	0.01	0.43	ppbv	V0
2,3-Dimethylbutane	0.02	0.32	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.15	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.09	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	0.33	ppbv	V0	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	0.16	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.42	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	0.14	ppbv	V0					
3-Methylhexane	0.01	0.27	ppbv	V0					
3-Methylpentane	0.01	0.36	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	6.4	ppbv	V0					
Acetone	0.02	4.46	ppbv	V0					
alpha-Pinene	0.01	0.13	ppbv	V0					
Benzene	0.01	0.18	ppbv	V0					
beta-Pinene	0.01	0.11	ppbv	V0					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.21	ppbv	V0					
Cyclopentane	0.01	0.20	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	3.19	ppbv	V0					
Ethylbenzene	0.01	0.23	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.51	ppbv	V0					
Isopentane	0.03	1.69	ppbv	V0					
Isoprene	0.01	0.18	ppbv	V0					
Isopropylalcohol	0.02	0.43	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.44	ppbv	V0					
Methanol	0.3	106.0	ppbv	V0					
Methylethylketone	0.01	0.33	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.32	ppbv	V0					
Methylcyclopentane	0.02	0.23	ppbv	V0					
n-Butane	0.03	0.37	ppbv	V0					
n-Decane	0.02	0.13	ppbv	V0					
n-Dodecane	0.02	0.16	ppbv	V0					
n-Heptane	0.03	0.48	ppbv	V0					
n-Hexane	0.01	0.41	ppbv	V0					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 210401247
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		9.5	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		714.7	mmHg		n-Octane	0.02	0.08	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.30	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	0.18	ppbv	V0
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.03	ppbv	V0	Toluene	0.01	0.21	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.7	ppbv	V0					
Acetone	0.02	4.22	ppbv	V0					
alpha-Pinene	0.01	0.20	ppbv	V0					
Benzene	0.01	0.12	ppbv	V0					
beta-Pinene	0.01	0.15	ppbv	V0					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.23	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.30	ppbv	V0					
Isopentane	0.03	0.45	ppbv	V0					
Isoprene	0.01	0.15	ppbv	V0					
Isopropylalcohol	0.02	0.39	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.31	ppbv	V0					
Methanol	0.3	19.3	ppbv	V0					
Methylethylketone	0.01	0.27	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.07	ppbv	V0					
n-Butane	0.03	0.25	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.13	ppbv	V0					
n-Hexane	0.01	0.15	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401248
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.9	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		723.7	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.24	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	0.17	ppbv	V0
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.20	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	5.7	ppbv	V0					
Acetone	0.02	5.07	ppbv	V0					
alpha-Pinene	0.01	0.05	ppbv	V0					
Benzene	0.01	0.13	ppbv	V0					
beta-Pinene	0.01	0.08	ppbv	V0					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	32.90	ppbv	V4					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.45	ppbv	V0					
Isopentane	0.03	0.41	ppbv	V0					
Isoprene	0.01	0.11	ppbv	V0					
Isopropylalcohol	0.02	0.34	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	15.8	ppbv	V0					
Methylethylketone	0.01	0.34	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.10	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 210401212
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.3	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		721.6	mmHg		n-Octane	0.02	0.07	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.26	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.06	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.03	ppbv	V0	Toluene	0.01	0.21	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.07	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.10	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.7	ppbv	V0					
Acetone	0.02	3.60	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.11	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.63	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.30	ppbv	V0					
Isopentane	0.03	0.35	ppbv	V0					
Isoprene	0.01	0.09	ppbv	V0					
Isopropylalcohol	0.02	0.27	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	158.0	ppbv	V0					
Methylethylketone	0.01	0.28	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.06	ppbv	V0					
n-Butane	0.03	0.28	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.12	ppbv	V0					
n-Hexane	0.01	0.13	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information		Deployment Information		Set Index: 1	
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	WBEA ID:	210401211
Location:	Anzac	Loc ID:	ANZC	Duration:	0.0 hr
Start Date:	2021-04-12 12:30	End Date:	2021-04-12 12:31		

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	1.56	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	1.5	ppbv	V0					
Acetone	0.02	-8888	ppbv	V1					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	-8888	ppbv	V1					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	-8888	ppbv	V1					
Isopentane	0.03	-8888	ppbv	V1					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	-8888	ppbv	V1					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	-8888	ppbv	V1					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					
n-Nonane	0.01	-8888	ppbv	V1					
n-Octane	0.02	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210401218
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.6	°C		n-Nonane	0.01	0.09	ppbv	V0
Pressure		742.5	mmHg		n-Octane	0.02	0.10	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.54	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.10	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.06	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,2-Dimethylbutane	0.01	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.03	ppbv	V0	Toluene	0.01	0.22	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.07	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.09	ppbv	V0					
3-Methylpentane	0.01	0.12	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	6.5	ppbv	V0					
Acetone	0.02	4.17	ppbv	V0					
alpha-Pinene	0.01	0.05	ppbv	V0					
Benzene	0.01	0.11	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	3.71	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.52	ppbv	V0					
Isopentane	0.03	0.81	ppbv	V0					
Isoprene	0.01	0.10	ppbv	V0					
Isopropylalcohol	0.02	0.43	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.31	ppbv	V0					
Methanol	0.3	406.0	ppbv	V4					
Methylethylketone	0.01	0.31	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.09	ppbv	V0					
Methylcyclopentane	0.02	0.08	ppbv	V0					
n-Butane	0.03	1.07	ppbv	V0					
n-Decane	0.02	0.07	ppbv	V0					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.15	ppbv	V0					
n-Hexane	0.01	0.16	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: VOC Canister  
 Location: Patricia McInnes  
 Start Date: 2021-04-16 00:00

Samp Use: Exposure  
 Loc ID: PATM  
 End Date: 2021-04-17 00:00

Set Index: 1  
 WBEA ID: 210401200  
 Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.7	°C		n-Nonane	0.01	0.10	ppbv	V0
Pressure		733.8	mmHg		n-Octane	0.02	0.10	ppbv	V0
1,2,4-Trimethylbenzene	0.01	0.10	ppbv	V0	n-Pentane	0.03	0.43	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.11	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.09	ppbv	V0	o-Xylene	0.03	0.19	ppbv	V0
2,2-Dimethylbutane	0.01	0.09	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.04	ppbv	V0	Toluene	0.01	0.27	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.08	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.10	ppbv	V0					
3-Methylpentane	0.01	0.12	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	6.6	ppbv	V0					
Acetone	0.02	4.54	ppbv	V0					
alpha-Pinene	0.01	0.05	ppbv	V0					
Benzene	0.01	0.15	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	4.63	ppbv	V0					
Ethylbenzene	0.01	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.54	ppbv	V0					
Isopentane	0.03	0.73	ppbv	V0					
Isoprene	0.01	0.12	ppbv	V0					
Isopropylalcohol	0.02	0.47	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.34	ppbv	V0					
Methanol	0.3	24.0	ppbv	V0					
Methylethylketone	0.01	0.32	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.10	ppbv	V0					
Methylcyclopentane	0.02	0.08	ppbv	V0					
n-Butane	0.03	0.67	ppbv	V0					
n-Decane	0.02	0.07	ppbv	V0					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.16	ppbv	V0					
n-Hexane	0.01	0.17	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 210401774
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-3.2	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		717.4	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.05	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.19	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.15	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.09	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.9	ppbv	V0					
Acetone	0.02	3.09	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.09	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.16	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.22	ppbv	V0					
Isopentane	0.03	0.29	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.33	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	332.0	ppbv	V4					
Methylethylketone	0.01	0.28	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.06	ppbv	V0					
n-Butane	0.03	0.21	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.11	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210401780
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-1.3	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		738.7	mmHg		n-Octane	0.02	0.07	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.30	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.18	ppbv	V0
2,3-Dimethylbutane	0.02	0.12	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.09	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.1	ppbv	V0					
Acetone	0.02	2.66	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.10	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.50	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.23	ppbv	V0					
Isopentane	0.03	0.26	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.33	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	65.4	ppbv	V0					
Methylethylketone	0.01	0.29	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.05	ppbv	V0					
Methylcyclopentane	0.02	0.07	ppbv	V0					
n-Butane	0.03	0.15	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.12	ppbv	V0					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID: 210401790
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-4.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		740.0	mmHg		n-Octane	0.02	0.07	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.47	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	0.13	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.17	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	0.06	ppbv	V0					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.10	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.1	ppbv	V0					
Acetone	0.02	3.06	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.09	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.06	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.22	ppbv	V0					
Isopentane	0.03	0.34	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	12.5	ppbv	V0					
Methylethylketone	0.01	0.29	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.06	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.11	ppbv	V0					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401804
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-4.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		740.0	mmHg		n-Octane	0.02	0.07	ppbv	V0
1,2,4-Trimethylbenzene	0.01	0.14	ppbv	V0	n-Pentane	0.03	0.68	ppbv	V0
1,3,5-Trimethylbenzene	0.02	0.09	ppbv	V0	n-Propylbenzene	0.01	0.09	ppbv	V0
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.11	ppbv	V0
1-Pentene	0.01	0.21	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.19	ppbv	V0	o-Xylene	0.03	0.21	ppbv	V0
2,2-Dimethylbutane	0.01	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.07	ppbv	V0	Toluene	0.01	0.55	ppbv	V0
2,3-Dimethylbutane	0.02	0.16	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.20	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.11	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	0.16	ppbv	V0	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	0.08	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.24	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.11	ppbv	V0					
3-Methylpentane	0.01	0.31	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	10.0	ppbv	V0					
Acetone	0.02	4.34	ppbv	V0					
alpha-Pinene	0.01	0.05	ppbv	V0					
Benzene	0.01	0.14	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.09	ppbv	V0					
Cyclohexane	0.02	0.11	ppbv	V0					
Cyclopentane	0.01	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	7.10	ppbv	V0					
Ethylbenzene	0.01	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.70	ppbv	V0					
Isopentane	0.03	2.66	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	1.99	ppbv	V4					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.40	ppbv	V0					
Methanol	0.3	23.0	ppbv	V0					
Methylethylketone	0.01	0.33	ppbv	V0					
Methylisobutylketone	0.02	0.19	ppbv	V0					
Methylcyclohexane	0.01	0.06	ppbv	V0					
Methylcyclopentane	0.02	0.44	ppbv	V0					
n-Butane	0.03	2.31	ppbv	V4					
n-Decane	0.02	0.08	ppbv	V0					
n-Dodecane	0.02	0.15	ppbv	V0					
n-Heptane	0.03	0.14	ppbv	V0					
n-Hexane	0.01	0.64	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401824
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-4.2	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		710.1	mmHg		n-Octane	0.02	0.07	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.9	ppbv	V0					
Acetone	0.02	3.14	ppbv	V0					
alpha-Pinene	0.01	0.04	ppbv	V0					
Benzene	0.01	0.09	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.42	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.21	ppbv	V0					
Isopentane	0.03	0.18	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	10.3	ppbv	V0					
Methylethylketone	0.01	0.29	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.07	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: VOC Canister  
 Location: Conklin  
 Start Date: 2021-04-21 13:00

Samp Use: Field Procedure Blank  
 Loc ID: CONK  
 End Date: 2021-04-21 13:01

Set Index: 1  
 WBEA ID: 210401823  
 Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	1.57	ppbv	V0
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	1.9	ppbv	V0					
Acetone	0.02	-8888	ppbv	V1					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	-8888	ppbv	V1					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.14	ppbv	V0					
Isopentane	0.03	-8888	ppbv	V1					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	0.5	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.04	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					
n-Nonane	0.01	-8888	ppbv	V1					
n-Octane	0.02	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Ells River	Loc ID:	ELSR	WBEA ID: 210401807
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.5	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		734.7	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.05	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	0.12	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.9	ppbv	V0					
Acetone	0.02	2.61	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.09	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.52	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.22	ppbv	V0					
Isopentane	0.03	0.17	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	5.4	ppbv	V0					
Methylethylketone	0.01	0.26	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.06	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210401810
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.4	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		737.2	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.36	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	0.13	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.17	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.10	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.4	ppbv	V0					
Acetone	0.02	3.38	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.10	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.06	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.14	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.25	ppbv	V0					
Isopentane	0.03	0.30	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	9.9	ppbv	V0					
Methylethylketone	0.01	0.31	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.05	ppbv	V0					
n-Decane	0.02	0.08	ppbv	V0					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.10	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401825
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-3.8	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		718.9	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	2.8	ppbv	V0					
Acetone	0.02	2.90	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.09	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.34	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.20	ppbv	V0					
Isopentane	0.03	0.21	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	19.8	ppbv	V0					
Methylethylketone	0.01	0.28	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.06	ppbv	V0					
n-Decane	0.02	0.08	ppbv	V0					
n-Dodecane	0.02	0.15	ppbv	V0					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401787
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.5	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		729.4	mmHg		n-Octane	0.02	0.07	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.27	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.07	ppbv	V0	o-Xylene	0.03	0.16	ppbv	V0
2,2-Dimethylbutane	0.01	0.06	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.03	ppbv	V0	Toluene	0.01	0.26	ppbv	V0
2,3-Dimethylbutane	0.02	0.13	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.06	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	0.04	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.06	ppbv	V0					
3-Methylpentane	0.01	0.11	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	5.0	ppbv	V0					
Acetone	0.02	4.66	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.10	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.62	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.35	ppbv	V0					
Isopentane	0.03	0.76	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.70	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.27	ppbv	V0					
Methanol	0.3	18.6	ppbv	V0					
Methylethylketone	0.01	0.29	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	0.05	ppbv	V0					
Methylcyclopentane	0.02	0.09	ppbv	V0					
n-Butane	0.03	0.61	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.13	ppbv	V0					
n-Hexane	0.01	0.17	ppbv	V0					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401837
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-0.9	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		716.4	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.03	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.03	ppbv	V0	Toluene	0.01	0.14	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.02	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.02	ppbv	V0					
3-Methylpentane	0.01	0.10	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.0	ppbv	V0					
Acetone	0.02	2.84	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.05	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.52	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.19	ppbv	V0					
Isopentane	0.03	0.46	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.42	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	18.4	ppbv	V0					
Methylethylketone	0.01	0.15	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.37	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.09	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210401844
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-0.2	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		737.9	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.06	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.02	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.09	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.09	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.3	ppbv	V0					
Acetone	0.02	2.65	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.05	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	8.61	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.22	ppbv	V0					
Isopentane	0.03	0.34	ppbv	V0					
Isoprene	0.01	0.04	ppbv	V0					
Isopropylalcohol	0.02	0.44	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	17.7	ppbv	V0					
Methylethylketone	0.01	0.16	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.03	ppbv	V0					
n-Butane	0.03	0.20	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.06	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID: 210401853
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration: 24.0 hr

### Notes

Sample was drawing station air from 09:50 MST to 10:37 MST as the manifold was being cleaned.

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.7	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		737.9	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.52	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.02	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.02	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.03	ppbv	V0	Toluene	0.01	0.10	ppbv	V0
2,3-Dimethylbutane	0.02	0.10	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.12	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.3	ppbv	V0					
Acetone	0.02	2.93	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.05	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.52	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.21	ppbv	V0					
Isopentane	0.03	0.55	ppbv	V0					
Isoprene	0.01	0.06	ppbv	V0					
Isopropylalcohol	0.02	0.31	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	15.2	ppbv	V0					
Methylethylketone	0.01	0.19	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.03	ppbv	V0					
n-Butane	0.03	0.07	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.07	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401865
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-3.6	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		737.7	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.50	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.02	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.03	ppbv	V0	Toluene	0.01	0.09	ppbv	V0
2,3-Dimethylbutane	0.02	0.10	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.13	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.5	ppbv	V0					
Acetone	0.02	2.84	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.05	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.73	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.23	ppbv	V0					
Isopentane	0.03	0.58	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.18	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	11.2	ppbv	V0					
Methylethylketone	0.01	0.20	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.07	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.07	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401879
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-3.5	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		709.7	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.67	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.02	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.11	ppbv	V0
2,3-Dimethylbutane	0.02	0.07	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.10	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.4	ppbv	V0					
Acetone	0.02	2.85	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.10	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.24	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.21	ppbv	V0					
Isopentane	0.03	0.58	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.22	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	11.9	ppbv	V0					
Methylethylketone	0.01	0.18	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.04	ppbv	V0					
n-Butane	0.03	0.24	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	0.10	ppbv	V0					
n-Hexane	0.01	0.09	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Ells River	Loc ID:	ELSR	WBEA ID: 210401856
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-4.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		732.5	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.46	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.05	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.12	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.03	ppbv	V0	Toluene	0.01	0.09	ppbv	V0
2,3-Dimethylbutane	0.02	0.10	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.11	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.1	ppbv	V0					
Acetone	0.02	2.81	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.04	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.06	ppbv	V0					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.37	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.20	ppbv	V0					
Isopentane	0.03	0.49	ppbv	V0					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.20	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	14.1	ppbv	V0					
Methylethylketone	0.01	0.18	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	-8888	ppbv	V1					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.07	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210401857
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-3.5	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		736.5	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.28	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.02	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	0.03	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.03	ppbv	V0	Toluene	0.01	0.08	ppbv	V0
2,3-Dimethylbutane	0.02	0.08	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	0.10	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.4	ppbv	V0					
Acetone	0.02	2.84	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.05	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	4.42	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.15	ppbv	V0					
Isopentane	0.03	0.34	ppbv	V0					
Isoprene	0.01	0.05	ppbv	V0					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	11.6	ppbv	V0					
Methylethylketone	0.01	0.20	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.06	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.07	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401891
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-3.0	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		718.6	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.31	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	0.07	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.03	ppbv	V0	Toluene	0.01	0.18	ppbv	V0
2,3-Dimethylbutane	0.02	0.08	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.02	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	0.04	ppbv	V0	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	0.03	ppbv	V0					
3-Methylpentane	0.01	0.11	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.8	ppbv	V0					
Acetone	0.02	2.89	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.07	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	0.02	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.84	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.25	ppbv	V0					
Isopentane	0.03	0.64	ppbv	V0					
Isoprene	0.01	0.03	ppbv	V0					
Isopropylalcohol	0.02	0.52	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	17.8	ppbv	V0					
Methylethylketone	0.01	0.19	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	0.05	ppbv	V0					
n-Butane	0.03	0.49	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.10	ppbv	V0					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 210401890
Start Date:	2021-04-27 14:45	End Date:	2021-04-27 14:46	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.01	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	-8888	ppbv	V1
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	-8888	ppbv	V1					
Acetone	0.02	-8888	ppbv	V1					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	-8888	ppbv	V1					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	-8888	ppbv	V1					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.05	ppbv	V0					
Isopentane	0.03	-8888	ppbv	V1					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	0.9	ppbv	V0					
Methylethylketone	0.01	-8888	ppbv	V1					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.04	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	-8888	ppbv	V1					
n-Nonane	0.01	-8888	ppbv	V1					
n-Octane	0.02	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401850
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-1.3	°C		n-Nonane	0.01	-8888	ppbv	V1
Pressure		728.8	mmHg		n-Octane	0.02	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	-8888	ppbv	V1
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.02	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,2-Dimethylbutane	0.01	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	-8888	ppbv	V1	Toluene	0.01	0.09	ppbv	V0
2,3-Dimethylbutane	0.02	-8888	ppbv	V1	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	-8888	ppbv	V1	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	-8888	ppbv	V1	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	-8888	ppbv	V1					
3-Methylhexane	0.01	-8888	ppbv	V1					
3-Methylpentane	0.01	-8888	ppbv	V1					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.4	ppbv	V0					
Acetone	0.02	3.08	ppbv	V0					
alpha-Pinene	0.01	-8888	ppbv	V1					
Benzene	0.01	0.05	ppbv	V0					
beta-Pinene	0.01	-8888	ppbv	V1					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	-8888	ppbv	V1					
Cyclopentane	0.01	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.50	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.22	ppbv	V0					
Isopentane	0.03	-8888	ppbv	V1					
Isoprene	0.01	-8888	ppbv	V1					
Isopropylalcohol	0.02	0.21	ppbv	V0					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	-8888	ppbv	V1					
Methanol	0.3	17.9	ppbv	V0					
Methylethylketone	0.01	0.19	ppbv	V0					
Methylisobutylketone	0.02	-8888	ppbv	V1					
Methylcyclohexane	0.01	-8888	ppbv	V1					
Methylcyclopentane	0.02	-8888	ppbv	V1					
n-Butane	0.03	0.18	ppbv	V0					
n-Decane	0.02	-8888	ppbv	V1					
n-Dodecane	0.02	-8888	ppbv	V1					
n-Heptane	0.03	-8888	ppbv	V1					
n-Hexane	0.01	0.06	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID: 210301082
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.7	°C		n-Nonane	0.01	0.10	ppbv	V0
Pressure		732.0	mmHg		n-Octane	0.02	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.01	-8888	ppbv	V1	n-Pentane	0.03	0.38	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	-8888	ppbv	V1
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.05	ppbv	V0
1-Pentene	0.01	-8888	ppbv	V1	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	0.08	ppbv	V0
2,2-Dimethylbutane	0.01	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.03	ppbv	V0	Toluene	0.01	0.20	ppbv	V0
2,3-Dimethylbutane	0.02	0.08	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	0.15	ppbv	V0	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	0.06	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	0.08	ppbv	V0					
3-Methylhexane	0.01	0.08	ppbv	V0					
3-Methylpentane	0.01	0.10	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	3.8	ppbv	V0					
Acetone	0.02	3.10	ppbv	V0					
alpha-Pinene	0.01	0.07	ppbv	V0					
Benzene	0.01	0.17	ppbv	V0					
beta-Pinene	0.01	0.07	ppbv	V0					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.08	ppbv	V0					
Cyclopentane	0.01	0.06	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	7.04	ppbv	V0					
Ethylbenzene	0.01	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.52	ppbv	V0					
Isopentane	0.03	0.50	ppbv	V0					
Isoprene	0.01	0.07	ppbv	V0					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.21	ppbv	V0					
Methanol	0.3	10.7	ppbv	V0					
Methylethylketone	0.01	0.25	ppbv	V0					
Methylisobutylketone	0.02	0.04	ppbv	V0					
Methylcyclohexane	0.01	0.12	ppbv	V0					
Methylcyclopentane	0.02	0.10	ppbv	V0					
n-Butane	0.03	0.49	ppbv	V0					
n-Decane	0.02	0.06	ppbv	V0					
n-Dodecane	0.02	0.08	ppbv	V0					
n-Heptane	0.03	0.22	ppbv	V0					
n-Hexane	0.01	0.18	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210301086
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		1.2	°C		n-Nonane	0.01	0.23	ppbv	V0
Pressure		732.3	mmHg		n-Octane	0.02	0.50	ppbv	V0
1,2,4-Trimethylbenzene	0.01	0.11	ppbv	V0	n-Pentane	0.03	0.41	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	0.02	ppbv	V0
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.08	ppbv	V0
1-Pentene	0.01	0.05	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	0.05	ppbv	V0	o-Xylene	0.03	0.14	ppbv	V0
2,2-Dimethylbutane	0.01	0.09	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.04	ppbv	V0	Toluene	0.01	0.39	ppbv	V0
2,3-Dimethylbutane	0.02	0.11	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.03	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	0.36	ppbv	V0	1-Butene/Isobutylene	0.03	0.07	ppbv	V0
2-Methylhexane	0.01	0.19	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	0.16	ppbv	V0					
3-Methylhexane	0.01	0.29	ppbv	V0					
3-Methylpentane	0.01	0.14	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.6	ppbv	V0					
Acetone	0.02	3.51	ppbv	V0					
alpha-Pinene	0.01	0.09	ppbv	V0					
Benzene	0.01	0.20	ppbv	V0					
beta-Pinene	0.01	0.08	ppbv	V0					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.17	ppbv	V0					
Cyclopentane	0.01	0.05	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.60	ppbv	V0					
Ethylbenzene	0.01	0.15	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.67	ppbv	V0					
Isopentane	0.03	0.68	ppbv	V0					
Isoprene	0.01	0.07	ppbv	V0					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	-8888	ppbv	V1					
m,p-Xylene	0.03	0.35	ppbv	V0					
Methanol	0.3	11.3	ppbv	V0					
Methylethylketone	0.01	0.24	ppbv	V0					
Methylisobutylketone	0.02	0.05	ppbv	V0					
Methylcyclohexane	0.01	0.31	ppbv	V0					
Methylcyclopentane	0.02	0.25	ppbv	V0					
n-Butane	0.03	0.76	ppbv	V0					
n-Decane	0.02	0.11	ppbv	V0					
n-Dodecane	0.02	0.08	ppbv	V0					
n-Heptane	0.03	0.69	ppbv	V0					
n-Hexane	0.01	0.45	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Ells River	Loc ID:	ELSR	WBEA ID: 210301087
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		1.5	°C		n-Nonane	0.01	0.37	ppbv	V0
Pressure		726.7	mmHg		n-Octane	0.02	1.15	ppbv	V4
1,2,4-Trimethylbenzene	0.01	0.11	ppbv	V0	n-Pentane	0.03	0.37	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	0.02	ppbv	V0
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.09	ppbv	V0
1-Pentene	0.01	0.06	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	0.17	ppbv	V0
2,2-Dimethylbutane	0.01	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.06	ppbv	V0	Toluene	0.01	0.54	ppbv	V0
2,3-Dimethylbutane	0.02	0.13	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.16	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.03	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	0.81	ppbv	V0	1-Butene/Isobutylene	0.03	-8888	ppbv	V1
2-Methylhexane	0.01	0.25	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	0.33	ppbv	V0					
3-Methylhexane	0.01	0.45	ppbv	V0					
3-Methylpentane	0.01	0.12	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.3	ppbv	V0					
Acetone	0.02	3.23	ppbv	V0					
alpha-Pinene	0.01	0.12	ppbv	V0					
Benzene	0.01	0.20	ppbv	V0					
beta-Pinene	0.01	0.10	ppbv	V0					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.25	ppbv	V0					
Cyclopentane	0.01	0.05	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	2.54	ppbv	V0					
Ethylbenzene	0.01	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.60	ppbv	V0					
Isopentane	0.03	0.52	ppbv	V0					
Isoprene	0.01	0.09	ppbv	V0					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	0.07	ppbv	V0					
m,p-Xylene	0.03	0.41	ppbv	V0					
Methanol	0.3	7.1	ppbv	V0					
Methylethylketone	0.01	0.22	ppbv	V0					
Methylisobutylketone	0.02	0.04	ppbv	V0					
Methylcyclohexane	0.01	0.73	ppbv	V0					
Methylcyclopentane	0.02	0.30	ppbv	V0					
n-Butane	0.03	0.55	ppbv	V0					
n-Decane	0.02	0.13	ppbv	V0					
n-Dodecane	0.02	0.10	ppbv	V0					
n-Heptane	0.03	1.24	ppbv	V4					
n-Hexane	0.01	0.44	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID: 210301092
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		2.1	°C		n-Nonane	0.01	0.45	ppbv	V0
Pressure		730.6	mmHg		n-Octane	0.02	1.15	ppbv	V4
1,2,4-Trimethylbenzene	0.01	0.13	ppbv	V0	n-Pentane	0.03	0.50	ppbv	V0
1,3,5-Trimethylbenzene	0.02	-8888	ppbv	V1	n-Propylbenzene	0.01	0.03	ppbv	V0
1,3-Butadiene	0.02	-8888	ppbv	V1	n-Undecane	0.01	0.11	ppbv	V0
1-Pentene	0.01	0.06	ppbv	V0	Naphthalene	0.01	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.01	-8888	ppbv	V1	o-Xylene	0.03	0.21	ppbv	V0
2,2-Dimethylbutane	0.01	0.10	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.01	0.06	ppbv	V0	Toluene	0.01	0.62	ppbv	V0
2,3-Dimethylbutane	0.02	0.13	ppbv	V0	trans-2-Butene	0.01	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.21	ppbv	V0	trans-2-Hexene	0.01	-8888	ppbv	V1
2,4-Dimethylpentane	0.01	0.04	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methyl-2-butene	0.01	-8888	ppbv	V1	Methylvinylketone	0.04	-8888	ppbv	V1
2-Methylheptane	0.01	0.78	ppbv	V0	1-Butene/Isobutylene	0.03	0.10	ppbv	V0
2-Methylhexane	0.01	0.33	ppbv	V0	1-Hexene/2-Methyl-1-pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.01	0.17	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.02	0.32	ppbv	V0					
3-Methylhexane	0.01	0.57	ppbv	V0					
3-Methylpentane	0.01	0.21	ppbv	V0					
4-Methyl-1-pentene	0.01	-8888	ppbv	V1					
Acetaldehyde	0.2	4.4	ppbv	V0					
Acetone	0.02	3.32	ppbv	V0					
alpha-Pinene	0.01	0.16	ppbv	V0					
Benzene	0.01	0.22	ppbv	V0					
beta-Pinene	0.01	0.11	ppbv	V0					
cis-2-Butene	0.02	-8888	ppbv	V1					
cis-2-Hexene	0.01	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.02	0.27	ppbv	V0					
Cyclopentane	0.01	0.06	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.02	1.82	ppbv	V0					
Ethylbenzene	0.01	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.05	0.62	ppbv	V0					
Isopentane	0.03	0.64	ppbv	V0					
Isoprene	0.01	0.13	ppbv	V0					
Isopropylalcohol	0.02	-8888	ppbv	V1					
Isopropylbenzene	0.03	0.07	ppbv	V0					
m,p-Xylene	0.03	0.48	ppbv	V0					
Methanol	0.3	8.3	ppbv	V0					
Methylethylketone	0.01	0.35	ppbv	V0					
Methylisobutylketone	0.02	0.05	ppbv	V0					
Methylcyclohexane	0.01	0.66	ppbv	V0					
Methylcyclopentane	0.02	0.45	ppbv	V0					
n-Butane	0.03	0.77	ppbv	V0					
n-Decane	0.02	0.17	ppbv	V0					
n-Dodecane	0.02	0.09	ppbv	V0					
n-Heptane	0.03	1.43	ppbv	V4					
n-Hexane	0.01	0.79	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401939
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		6.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		717.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.35	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.8	ppbv	V0					
Acetone	0.40	4.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.06	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.37	ppbv	V0					
Isopentane	0.04	1.20	ppbv	V0					
Isoprene	0.02	0.07	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	14.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.35	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210401931
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		7.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.22	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.5	ppbv	V0					
Acetone	0.40	4.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.27	ppbv	V0					
Isopentane	0.04	0.39	ppbv	V0					
Isoprene	0.02	0.08	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	17.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.28	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210501968
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		6.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.29	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	3.48	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.09	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.24	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.24	ppbv	V0	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.09	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.50	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.55	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.9	ppbv	V0					
Acetone	0.40	3.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	0.28	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.38	ppbv	V0					
Isopentane	0.04	2.87	ppbv	V0					
Isoprene	0.02	0.09	ppbv	V0					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	35.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	0.68	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401958
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.24	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	3.62	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.23	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.20	ppbv	V0	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.45	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.39	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.8	ppbv	V0					
Acetone	0.40	4.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.27	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.37	ppbv	V0					
Isopentane	0.04	2.14	ppbv	V0					
Isoprene	0.02	0.09	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	13.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.36	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Field Procedure Blank	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 210401957	
Start Date: 2021-04-30 13:30	End Date: 2021-04-30 13:31	Duration: 0.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.0	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.09	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.05	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401921
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		4.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		710.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.61	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.15	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.26	ppbv	V0
2,3-Dimethylpentane	0.02	0.15	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.15	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.6	ppbv	V0					
Acetone	0.40	4.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.29	ppbv	V0					
Isopentane	0.04	1.06	ppbv	V0					
Isoprene	0.02	0.13	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	11.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.72	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210501971
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.76	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.3	ppbv	V0					
Acetone	0.40	3.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.48	ppbv	V0					
Isopentane	0.04	0.82	ppbv	V0					
Isoprene	0.02	0.08	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	16.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.34	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210501976
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	2.04	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.39	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.13	ppbv	V0	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.23	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.21	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.8	ppbv	V0					
Acetone	0.40	4.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.15	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.30	ppbv	V0					
Isopentane	0.04	1.40	ppbv	V0					
Isoprene	0.02	0.12	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	10.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.37	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 210401913
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		719.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.3	ppbv	V0					
Acetone	0.40	3.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.19	ppbv	V0					
Isopentane	0.04	0.20	ppbv	V0					
Isoprene	0.02	0.08	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	9.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.04	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401964
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		6.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.44	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.12	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.29	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.10	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.5	ppbv	V0					
Acetone	0.40	3.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.43	ppbv	V0					
Isopentane	0.04	0.99	ppbv	V0					
Isoprene	0.02	0.09	ppbv	V0					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	22.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.91	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 210502092
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.0	ppbv	V0					
Acetone	0.40	3.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.38	ppbv	V0					
Isopentane	0.04	0.30	ppbv	V0					
Isoprene	0.02	0.09	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	9.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.27	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 210502064
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		706.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.28	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.8	ppbv	V0					
Acetone	0.40	5.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.49	ppbv	V0					
Isopentane	0.04	0.59	ppbv	V0					
Isoprene	0.02	0.21	ppbv	V0					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	13.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.39	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210502072
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		713.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.08	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.4	ppbv	V0					
Acetone	0.40	3.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.29	ppbv	V0					
Isopentane	0.04	0.15	ppbv	V0					
Isoprene	0.02	0.17	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	8.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210502098
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		724.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.26	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.6	ppbv	V0					
Acetone	0.40	4.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.46	ppbv	V0					
Isopentane	0.04	0.48	ppbv	V0					
Isoprene	0.02	0.11	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	9.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.29	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210502029
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		717.8	mmHg		n-Heptane	0.04	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.08	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.24	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.05	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.0	ppbv	V0					
Acetone	0.40	4.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.47	ppbv	V0					
Isopentane	0.04	0.53	ppbv	V0					
Isoprene	0.02	0.08	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	23.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.48	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210502035
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.1	mmHg		n-Heptane	0.04	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.35	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.05	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.25	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.6	ppbv	V0					
Acetone	0.40	4.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.44	ppbv	V0					
Isopentane	0.04	0.55	ppbv	V0					
Isoprene	0.02	0.08	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	22.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.47	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210502004
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.4	mmHg		n-Heptane	0.04	0.24	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.16	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.27	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.19	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.09	ppbv	V0					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.7	ppbv	V0					
Acetone	0.40	4.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.45	ppbv	V0					
Isopentane	0.04	0.54	ppbv	V0					
Isoprene	0.02	0.21	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	18.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.39	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister <b>Location:</b> Bertha Ganter - Fort McKay <b>Start Date:</b> 2021-05-10 00:00	<b>Deployment Information</b> <b>Samp Use:</b> Exposure <b>Loc ID:</b> BGFM <b>End Date:</b> 2021-05-11 00:00	<b>Set Index:</b> 1 <b>WBEA ID:</b> 210502002 <b>Duration:</b> 24.0 hr
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### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.2	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.42	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.28	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.08	ppbv	V0					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.1	ppbv	V0					
Acetone	0.40	5.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.67	ppbv	V0					
Isopentane	0.04	1.01	ppbv	V0					
Isoprene	0.02	0.17	ppbv	V0					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	34.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.83	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210501985
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		9.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		711.0	mmHg		n-Heptane	0.04	0.10	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.04	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.0	ppbv	V0					
Acetone	0.40	4.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.30	ppbv	V0					
Isopentane	0.04	0.45	ppbv	V0					
Isoprene	0.02	0.11	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	16.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.27	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210501991
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.2	mmHg		n-Heptane	0.04	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.25	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.18	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.05	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.20	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.1	ppbv	V0					
Acetone	0.40	4.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.39	ppbv	V0					
Isopentane	0.04	0.57	ppbv	V0					
Isoprene	0.02	0.08	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	16.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.49	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210501994
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.0	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.31	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.6	ppbv	V0					
Acetone	0.40	4.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.52	ppbv	V0					
Isopentane	0.04	0.57	ppbv	V0					
Isoprene	0.02	0.27	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	20.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.35	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210501990
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		719.7	mmHg		n-Heptane	0.04	0.10	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.17	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.9	ppbv	V0					
Acetone	0.40	4.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.38	ppbv	V0					
Isopentane	0.04	0.33	ppbv	V0					
Isoprene	0.02	0.09	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	17.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.17	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210502022
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.3	mmHg		n-Heptane	0.04	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.35	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.9	ppbv	V0					
Acetone	0.40	3.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.28	ppbv	V0					
Isopentane	0.04	0.49	ppbv	V0					
Isoprene	0.02	0.13	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	13.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.19	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210502021
Start Date:	2021-05-07 11:25	End Date:	2021-05-07 11:26	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.17	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.18	ppbv	V0					
Isopentane	0.04	0.12	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	0.09	ppbv	V0					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210502056
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.38	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	8.58	ppbv	V4
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	1.34	ppbv	V4	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.36	ppbv	V0	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.09	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	1.15	ppbv	V4					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.91	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.3	ppbv	V0					
Acetone	0.40	3.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.54	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.32	ppbv	V0					
Isopentane	0.04	4.40	ppbv	V4					
Isoprene	0.02	0.13	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	9.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.07	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210502053
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		8.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.26	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	5.46	ppbv	V4
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.86	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.23	ppbv	V0	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.71	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.54	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.9	ppbv	V0					
Acetone	0.40	3.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.33	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.37	ppbv	V0					
Isopentane	0.04	2.90	ppbv	V0					
Isoprene	0.02	0.11	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	14.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.09	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210502036
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.90	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.14	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.5	ppbv	V0					
Acetone	0.40	3.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.42	ppbv	V0					
Isopentane	0.04	0.70	ppbv	V0					
Isoprene	0.02	0.11	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	10.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.07	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210502039
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	3.56	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.55	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.16	ppbv	V0	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.41	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.32	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.5	ppbv	V0					
Acetone	0.40	4.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.22	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.34	ppbv	V0					
Isopentane	0.04	2.09	ppbv	V0					
Isoprene	0.02	0.13	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	14.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210502081
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		712.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.5	ppbv	V0					
Acetone	0.40	2.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.30	ppbv	V0					
Isopentane	0.04	0.32	ppbv	V0					
Isoprene	0.02	0.09	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	9.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.09	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister		<b>Deployment Information</b>		<b>Set Index:</b> 1
<b>Location:</b> Athabasca Valley		<b>Samp Use:</b> Field Procedure Blank	<b>Loc ID:</b> ATHV	<b>WBEA ID:</b> 210502091
<b>Start Date:</b> 2021-05-14 14:20		<b>End Date:</b> 2021-05-14 14:21		<b>Duration:</b> 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.9	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.09	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.10	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210502121
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.4	mmHg		n-Heptane	0.04	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.25	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.38	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.13	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.33	ppbv	V0
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.11	ppbv	V0					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.1	ppbv	V0					
Acetone	0.40	3.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.40	ppbv	V0					
Isopentane	0.04	1.00	ppbv	V0					
Isoprene	0.02	0.24	ppbv	V0					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	28.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	0.85	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210502118
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.5	mmHg		n-Heptane	0.04	0.31	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.17	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.17	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.27	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.16	ppbv	V0					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.8	ppbv	V0					
Acetone	0.40	3.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.21	ppbv	V0					
Isopentane	0.04	0.30	ppbv	V0					
Isoprene	0.02	0.16	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	8.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.17	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.11	ppbv	V0					
n-Decane	0.06	0.13	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210502101
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.6	mmHg		n-Heptane	0.04	0.15	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.20	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.11	ppbv	V0					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.6	ppbv	V0					
Acetone	0.40	2.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.18	ppbv	V0					
Isopentane	0.04	0.26	ppbv	V0					
Isoprene	0.02	0.17	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	6.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.08	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210502104
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.8	mmHg		n-Heptane	0.04	0.25	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.23	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.17	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.42	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.18	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.42	ppbv	V0
2,3-Dimethylpentane	0.02	0.15	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.16	ppbv	V0					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.0	ppbv	V0					
Acetone	0.40	3.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.38	ppbv	V0					
Isopentane	0.04	1.13	ppbv	V0					
Isoprene	0.02	0.21	ppbv	V0					
Isopropylalcohol	0.30	0.70	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	43.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.15	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.97	ppbv	V0					
n-Decane	0.06	0.13	ppbv	V0					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Set Index: 1
Location: Anzac	Samp Use: Exposure	WBEA ID: 210502160
Start Date: 2021-05-22 00:00	Loc ID: ANZC	Duration: 24.0 hr
	End Date: 2021-05-23 00:00	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		721.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.25	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.1	ppbv	V0					
Acetone	0.40	4.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.28	ppbv	V0					
Isopentane	0.04	0.32	ppbv	V0					
Isoprene	0.02	0.11	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	15.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.16	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: <b>VOC Canister</b>	Deployment Information	Samp Use: <b>Field Procedure Blank</b>	Set Index: <b>1</b>
Location: <b>Anzac</b>	Loc ID: <b>ANZC</b>	WBEA ID: <b>210502159</b>	Duration: <b>0.0 hr</b>
Start Date: <b>2021-05-21 12:20</b>	End Date: <b>2021-05-21 12:21</b>		

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.2	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.10	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.06	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					







# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Set Index:	1
Location:	Janvier	Samp Use: Exposure	WBEA ID:	210502135
Start Date:	2021-05-22 00:00	Loc ID: JANV	Duration:	24.0 hr
		End Date: 2021-05-23 00:00		

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		723.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.21	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.2	ppbv	V0					
Acetone	0.40	3.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.19	ppbv	V0					
Isopentane	0.04	0.26	ppbv	V0					
Isoprene	0.02	0.13	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	11.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.09	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: VOC Canister  
Location: Anzac  
Start Date: 2021-05-28 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-05-29 00:00

Set Index: 1  
WBEA ID: 210502227  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		6.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		704.7	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.18	ppbv	V0	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.10	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.36	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.08	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.04	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	0.21	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.05	ppbv	V0	trans-2-Pentene	0.02	0.04	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	0.04	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.06	ppbv	V0					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.4	ppbv	V0					
Acetone	0.40	5.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	0.05	ppbv	V0					
Cyclopentene	0.02	0.05	ppbv	V0					
Ethanol	0.50	1.50	ppbv	V0					
Ethylbenzene	0.03	0.15	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.52	ppbv	V0					
Isopentane	0.04	0.72	ppbv	V0					
Isoprene	0.02	0.11	ppbv	V0					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	0.10	ppbv	V0					
m,p-Xylene	0.04	0.23	ppbv	V0					
Methanol	0.5	15.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.40	ppbv	V0					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.35	ppbv	V0					
n-Decane	0.06	0.08	ppbv	V0					







# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210502200
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		9.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		724.0	mmHg		n-Heptane	0.04	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.18	ppbv	V0	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.43	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.08	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.04	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	0.21	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.05	ppbv	V0	trans-2-Pentene	0.02	0.04	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	0.04	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.4	ppbv	V0					
Acetone	0.40	4.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	0.05	ppbv	V0					
Cyclopentene	0.02	0.04	ppbv	V0					
Ethanol	0.50	1.60	ppbv	V0					
Ethylbenzene	0.03	0.14	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.68	ppbv	V0					
Isopentane	0.04	1.05	ppbv	V0					
Isoprene	0.02	0.14	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	0.10	ppbv	V0					
m,p-Xylene	0.04	0.22	ppbv	V0					
Methanol	0.5	9.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.40	ppbv	V0					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.51	ppbv	V0					
n-Decane	0.06	0.08	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information		Deployment Information		Set Index: 1	
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	WBEA ID:	210502211
Location:	Conklin	Loc ID:	CONK	Duration:	0.0 hr
Start Date:	2021-05-26 11:01	End Date:	2021-05-26 11:02		

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.1	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.13	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.10	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210502188
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		723.4	mmHg		n-Heptane	0.04	0.12	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.18	ppbv	V0	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.15	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.08	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	0.14	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	0.21	ppbv	V0
2,3-Dimethylbutane	0.09	0.09	ppbv	V0	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.04	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.2	ppbv	V0					
Acetone	0.40	4.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.15	ppbv	V0					
Cyclopentane	0.02	0.05	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.60	ppbv	V0					
Ethylbenzene	0.03	0.14	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.66	ppbv	V0					
Isopentane	0.04	0.48	ppbv	V0					
Isoprene	0.02	0.13	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	0.10	ppbv	V0					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	10.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.40	ppbv	V0					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.10	ppbv	V0					
n-Decane	0.06	0.08	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210502191
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		9.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		722.7	mmHg		n-Heptane	0.04	0.12	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.19	ppbv	V0	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.31	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.08	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.04	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	0.14	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	0.21	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.04	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.5	ppbv	V0					
Acetone	0.40	4.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	0.05	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.60	ppbv	V0					
Ethylbenzene	0.03	0.14	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.70	ppbv	V0					
Isopentane	0.04	0.36	ppbv	V0					
Isoprene	0.02	0.24	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	0.10	ppbv	V0					
m,p-Xylene	0.04	0.22	ppbv	V0					
Methanol	0.5	9.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.40	ppbv	V0					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.08	ppbv	V0					
n-Decane	0.06	0.08	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210502246
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		8.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		716.1	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.19	ppbv	V0	n-Hexane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.05	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.52	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.08	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.05	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	0.17	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	0.21	ppbv	V0
2,3-Dimethylbutane	0.09	0.09	ppbv	V0	Toluene	0.03	0.22	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.05	ppbv	V0	trans-2-Pentene	0.02	0.04	ppbv	V0
2-Methylheptane	0.02	0.10	ppbv	V0					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	0.04	ppbv	V0					
3-Methylheptane	0.03	0.08	ppbv	V0					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.5	ppbv	V0					
Acetone	0.40	5.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	0.05	ppbv	V0					
Ethanol	0.50	1.90	ppbv	V0					
Ethylbenzene	0.03	0.16	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.53	ppbv	V0					
Isopentane	0.04	0.60	ppbv	V0					
Isoprene	0.02	0.09	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	0.10	ppbv	V0					
m,p-Xylene	0.04	0.27	ppbv	V0					
Methanol	0.5	9.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.40	ppbv	V0					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.31	ppbv	V0					
n-Decane	0.06	0.08	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 210502240
Start Date:	2021-06-01 10:00	End Date:	2021-06-02 10:00	Duration: 24.0 hr

### Notes

Valve on VOC canister was left closed during sampling period. Opened valve and redeployed canister to run from 10:00 MST 06/01/21 to 10:00 MST 06/02/21. Will return tomorrow to collect and deploy sample.

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		24.0	°C		n-Decane	0.06	0.08	ppbv	V0
Pressure		728.0	mmHg		n-Dodecane	0.30	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.18	ppbv	V0	n-Heptane	0.04	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.08	ppbv	V0	n-Pentane	0.04	0.17	ppbv	V0
1-Pentene	0.03	0.06	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Styrene	0.04	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	Toluene	0.03	0.17	ppbv	V0
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	0.04	ppbv	V0
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	0.04	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.5	ppbv	V0					
Acetone	0.40	4.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.05	ppbv	V0					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.04	ppbv	V0					
Cyclopentene	0.02	0.05	ppbv	V0					
Ethanol	0.50	2.30	ppbv	V0					
Ethylbenzene	0.03	0.15	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.37	ppbv	V0					
Isopentane	0.04	0.36	ppbv	V0					
Isoprene	0.02	0.76	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	0.10	ppbv	V0					
m,p-Xylene	0.04	0.23	ppbv	V0					
Methanol	0.5	25.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.60	ppbv	V0					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.29	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210502212
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		8.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		698.5	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.20	ppbv	V0	n-Hexane	0.03	0.33	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.37	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.08	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.12	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.10	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.08	ppbv	V0	Styrene	0.04	0.22	ppbv	V0
2,3-Dimethylbutane	0.09	0.09	ppbv	V0	Toluene	0.03	0.34	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.06	ppbv	V0	trans-2-Pentene	0.02	0.06	ppbv	V0
2-Methylheptane	0.02	0.07	ppbv	V0					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	0.04	ppbv	V0					
3-Methylheptane	0.03	0.07	ppbv	V0					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.4	ppbv	V0					
Acetone	0.40	6.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.05	ppbv	V0					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	0.04	ppbv	V0					
Ethanol	0.50	1.90	ppbv	V0					
Ethylbenzene	0.03	0.17	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.51	ppbv	V0					
Isopentane	0.04	1.84	ppbv	V0					
Isoprene	0.02	0.13	ppbv	V0					
Isopropylalcohol	0.30	1.30	ppbv	V0					
Isopropylbenzene	0.04	0.10	ppbv	V0					
m,p-Xylene	0.04	0.29	ppbv	V0					
Methanol	0.5	49.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.40	ppbv	V0					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
n-Butane	0.02	0.77	ppbv	V0					
n-Decane	0.06	0.08	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210502222
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		705.0	mmHg		n-Heptane	0.04	0.12	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.18	ppbv	V0	n-Hexane	0.03	0.13	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.25	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.08	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.04	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	0.14	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	0.21	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.2	ppbv	V0					
Acetone	0.40	4.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	0.05	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	0.14	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.49	ppbv	V0					
Isopentane	0.04	0.35	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	0.10	ppbv	V0					
m,p-Xylene	0.04	0.22	ppbv	V0					
Methanol	0.5	7.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.40	ppbv	V0					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.13	ppbv	V0					
n-Decane	0.06	0.08	ppbv	V0					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602277
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		707.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.12	ppbv	V0	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.25	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.11	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.09	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.31	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.08	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.4	ppbv	V0					
Acetone	0.40	6.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.90	ppbv	V0					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.50	ppbv	V0					
Isopentane	0.04	0.49	ppbv	V0					
Isoprene	0.02	1.10	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.19	ppbv	V0					
Methanol	0.5	23.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.80	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.48	ppbv	V0					
n-Decane	0.06	0.09	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210602331
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		20.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.12	ppbv	V0	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.42	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.12	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.07	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.10	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.07	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.7	ppbv	V0					
Acetone	0.40	8.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	8.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.04	ppbv	V0					
Isopentane	0.04	0.74	ppbv	V0					
Isoprene	0.02	1.17	ppbv	V0					
Isopropylalcohol	0.30	1.20	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.18	ppbv	V0					
Methanol	0.5	42.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.90	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.68	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

			Deployment Information		
Sample Type:	VOC Canister		Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier		Loc ID:	JANV	WBEA ID: 210602329
Start Date:	2021-06-02 14:00		End Date:	2021-06-02 14:01	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.6	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.15	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.10	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602309
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		717.9	mmHg		n-Heptane	0.04	0.13	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.12	ppbv	V0	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.26	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.07	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.11	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.08	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.9	ppbv	V0					
Acetone	0.40	5.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.56	ppbv	V0					
Isopentane	0.04	0.54	ppbv	V0					
Isoprene	0.02	1.07	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.20	ppbv	V0					
Methanol	0.5	23.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.80	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.47	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister		<b>Deployment Information</b>		<b>Set Index:</b> 1
<b>Location:</b> Barge Landing		<b>Samp Use:</b> Exposure	<b>Loc ID:</b> BARG	<b>WBEA ID:</b> 210602278
<b>Start Date:</b> 2021-06-03 00:00		<b>End Date:</b> 2021-06-04 00:00		<b>Duration:</b> 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.8	°C		n-Dodecane	0.30	0.60	ppbv	V0
Pressure		725.2	mmHg		n-Heptane	0.04	0.15	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.07	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.27	ppbv	V0	o-Xylene	0.03	0.11	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.09	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.13	ppbv	V0	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.07	ppbv	V0	trans-2-Pentene	0.02	0.05	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.18	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.16	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.6	ppbv	V0					
Acetone	0.40	5.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	0.10	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.65	ppbv	V0					
Isopentane	0.04	1.18	ppbv	V0					
Isoprene	0.02	1.93	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.18	ppbv	V0					
Methanol	0.5	27.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.80	ppbv	V0					
Methylcyclohexane	0.02	0.09	ppbv	V0					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.47	ppbv	V0					
n-Decane	0.06	0.09	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Bertha Ganter - Fort McKay	Samp Use: Exposure	Loc ID: BGFM	WBEA ID: 210602286	Duration: 24.0 hr
Start Date: 2021-06-03 00:00	End Date: 2021-06-04 00:00			

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.8	°C		n-Dodecane	0.30	0.60	ppbv	V0
Pressure		725.2	mmHg		n-Heptane	0.04	0.15	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.07	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.19	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.28	ppbv	V0	o-Xylene	0.03	0.11	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.09	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.12	ppbv	V0	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.07	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.10	ppbv	V0					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.18	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.17	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.5	ppbv	V0					
Acetone	0.40	5.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.76	ppbv	V0					
Isopentane	0.04	1.28	ppbv	V0					
Isoprene	0.02	2.06	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.18	ppbv	V0					
Methanol	0.5	25.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.80	ppbv	V0					
Methylcyclohexane	0.02	0.09	ppbv	V0					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.54	ppbv	V0					
n-Decane	0.06	0.09	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210602283
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		723.2	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.10	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.44	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.34	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.09	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.15	ppbv	V0	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.23	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.20	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.5	ppbv	V0					
Acetone	0.40	5.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	0.13	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.02	ppbv	V0					
Isopentane	0.04	1.19	ppbv	V0					
Isoprene	0.02	1.77	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.16	ppbv	V0					
Methanol	0.5	20.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.70	ppbv	V0					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.09	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210602298
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.1	°C		n-Dodecane	0.30	0.60	ppbv	V0
Pressure		723.1	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.06	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.10	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.63	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.36	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.09	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.16	ppbv	V0	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.24	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.20	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.0	ppbv	V0					
Acetone	0.40	7.80	ppbv	V0					
alpha-Pinene	0.30	0.50	ppbv	V0					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	0.13	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.45	ppbv	V0					
Isopentane	0.04	1.35	ppbv	V0					
Isoprene	0.02	2.26	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.17	ppbv	V0					
Methanol	0.5	21.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.80	ppbv	V0					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.15	ppbv	V0					
n-Decane	0.06	0.09	ppbv	V0					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602316
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		702.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.15	ppbv	V0	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.0	ppbv	V0					
Acetone	0.40	8.30	ppbv	V0					
alpha-Pinene	0.30	0.60	ppbv	V0					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.60	ppbv	V0					
Isopentane	0.04	0.27	ppbv	V0					
Isoprene	0.02	1.36	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	23.4	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.11	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602330
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		20.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		708.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.12	ppbv	V0	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.5	ppbv	V0					
Acetone	0.40	7.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.51	ppbv	V0					
Isopentane	0.04	0.11	ppbv	V0					
Isoprene	0.02	1.13	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	24.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.04	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602373	
Start Date:	2021-06-07 15:05	End Date:	2021-06-07 15:06	Duration:	0.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	2.06	ppbv	V0	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.6	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.11	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602393
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		712.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.0	ppbv	V0					
Acetone	0.40	3.80	ppbv	V0					
alpha-Pinene	0.30	0.40	ppbv	V0					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.59	ppbv	V0					
Isopentane	0.04	0.18	ppbv	V0					
Isoprene	0.02	0.65	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	12.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.08	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602383
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		720.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.7	ppbv	V0					
Acetone	0.40	3.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.25	ppbv	V0					
Isopentane	0.04	0.11	ppbv	V0					
Isoprene	0.02	0.71	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	13.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.06	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602343
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		719.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.3	ppbv	V0					
Acetone	0.40	2.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.19	ppbv	V0					
Isopentane	0.04	0.08	ppbv	V0					
Isoprene	0.02	0.11	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210602337
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		740.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.5	ppbv	V0					
Acetone	0.40	3.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.51	ppbv	V0					
Isopentane	0.04	0.40	ppbv	V0					
Isoprene	0.02	0.28	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	38.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.49	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602349
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.02	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.4	ppbv	V0					
Acetone	0.40	3.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.51	ppbv	V0					
Isopentane	0.04	0.35	ppbv	V0					
Isoprene	0.02	0.32	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	23.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.34	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210602358
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.28	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.38	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.16	ppbv	V0	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.24	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.20	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.2	ppbv	V0					
Acetone	0.40	4.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.13	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.62	ppbv	V0					
Isopentane	0.04	0.97	ppbv	V0					
Isoprene	0.02	0.65	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	12.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.03	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602374
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.25	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.85	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.46	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.18	ppbv	V0	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.31	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.28	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.8	ppbv	V0					
Acetone	0.40	3.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.18	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.42	ppbv	V0					
Isopentane	0.04	1.36	ppbv	V0					
Isoprene	0.02	0.51	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	10.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.27	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210602352
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.20	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.97	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.30	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.15	ppbv	V0	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.21	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.18	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.8	ppbv	V0					
Acetone	0.40	3.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.72	ppbv	V0					
Isopentane	0.04	0.95	ppbv	V0					
Isoprene	0.02	0.38	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	9.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210602357
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.80	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.26	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.15	ppbv	V0	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.18	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.9	ppbv	V0					
Acetone	0.40	3.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.17	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.58	ppbv	V0					
Isopentane	0.04	0.71	ppbv	V0					
Isoprene	0.02	0.61	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	9.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.08	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602415
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		711.6	mmHg		n-Heptane	0.04	0.15	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.59	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.6	ppbv	V0					
Acetone	0.40	3.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.71	ppbv	V0					
Isopentane	0.04	0.75	ppbv	V0					
Isoprene	0.02	1.06	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	29.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.00	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.45	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210602414
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		23.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.2	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.29	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.8	ppbv	V0					
Acetone	0.40	3.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.75	ppbv	V0					
Isopentane	0.04	0.43	ppbv	V0					
Isoprene	0.02	1.03	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	48.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.10	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.46	ppbv	V0					
n-Decane	0.06	0.09	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602401
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		705.5	mmHg		n-Heptane	0.04	0.13	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.25	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.3	ppbv	V0					
Acetone	0.40	3.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.34	ppbv	V0					
Isopentane	0.04	0.37	ppbv	V0					
Isoprene	0.02	0.89	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	27.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.80	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.40	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602408
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		711.9	mmHg		n-Heptane	0.04	0.12	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.12	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.9	ppbv	V0					
Acetone	0.40	3.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.11	ppbv	V0					
Isopentane	0.04	0.24	ppbv	V0					
Isoprene	0.02	1.84	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	40.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.90	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.26	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602430
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		22.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		722.0	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.31	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.6	ppbv	V0					
Acetone	0.40	3.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.22	ppbv	V0					
Isopentane	0.04	0.54	ppbv	V0					
Isoprene	0.02	1.06	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	34.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.20	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.70	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210602429
Start Date:	2021-06-11 14:50	End Date:	2021-06-16 14:51	Duration: 120.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	2.86	ppbv	V0	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.3	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.20	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.13	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	0.13	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210602438
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

Slightly low canister pressure due to low sampler flow.

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		23.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		728.5	mmHg		n-Heptane	0.04	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.15	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.52	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.14	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.20	ppbv	V0	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.17	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	9.2	ppbv	V0					
Acetone	0.40	4.40	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.51	ppbv	V0					
Isopentane	0.04	0.58	ppbv	V0					
Isoprene	0.02	2.37	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	48.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.20	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.40	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210602435
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		22.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.1	mmHg		n-Heptane	0.04	0.24	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.26	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.16	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.61	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.15	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.09	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.22	ppbv	V0	Toluene	0.03	0.27	ppbv	V0
2,3-Dimethylpentane	0.02	0.14	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.13	ppbv	V0					
3-Methylpentane	0.02	0.20	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	9.9	ppbv	V0					
Acetone	0.40	4.50	ppbv	V0					
alpha-Pinene	0.30	0.40	ppbv	V0					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.06	ppbv	V0					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.63	ppbv	V0					
Isopentane	0.04	1.06	ppbv	V0					
Isoprene	0.02	2.11	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	42.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.20	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.14	ppbv	V0					
n-Butane	0.02	0.95	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210602439
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		22.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.8	mmHg		n-Heptane	0.04	0.20	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.17	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.31	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.17	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.10	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.37	ppbv	V0	Toluene	0.03	0.23	ppbv	V0
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	12.5	ppbv	V0					
Acetone	0.40	4.80	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	2.06	ppbv	V0					
Isopentane	0.04	0.73	ppbv	V0					
Isoprene	0.02	1.80	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	27.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.40	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.44	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210602434
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

Believe low canister pressure is due to sample line only being on 'finger' tight.

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		22.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.1	mmHg		n-Heptane	0.04	0.33	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.05	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.23	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.49	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.13	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.21	ppbv	V0	Toluene	0.03	0.37	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.16	ppbv	V0					
3-Methylpentane	0.02	0.16	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.3	ppbv	V0					
Acetone	0.40	4.90	ppbv	V0					
alpha-Pinene	0.30	0.90	ppbv	V0					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	0.50	ppbv	V0					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.00	ppbv	V0					
Isopentane	0.04	0.56	ppbv	V0					
Isoprene	0.02	2.57	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	32.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.20	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.14	ppbv	V0					
n-Butane	0.02	0.40	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister		<b>Deployment Information</b>		<b>Set Index:</b> 1
<b>Location:</b> Barge Landing		<b>Samp Use:</b> Exposure	<b>Loc ID:</b> BARG	<b>WBEA ID:</b> 210602506
<b>Start Date:</b> 2021-06-21 00:00		<b>End Date:</b> 2021-06-22 00:00		<b>Duration:</b> 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.0	mmHg		n-Heptane	0.04	0.45	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.25	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.30	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.26	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	0.13	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.25	ppbv	V0
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.15	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.21	ppbv	V0					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.1	ppbv	V0					
Acetone	0.40	3.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.42	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.20	ppbv	V0					
Ethylbenzene	0.03	0.12	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.06	ppbv	V0					
Isopentane	0.04	0.39	ppbv	V0					
Isoprene	0.02	1.21	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	58.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.21	ppbv	V0					
Methylcyclopentane	0.05	0.16	ppbv	V0					
n-Butane	0.02	0.33	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210602520
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.8	mmHg		n-Heptane	0.04	0.32	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.22	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.43	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.14	ppbv	V0					
2-Methylpentane	0.02	0.21	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.18	ppbv	V0					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.9	ppbv	V0					
Acetone	0.40	4.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	0.10	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.60	ppbv	V0					
Ethylbenzene	0.03	0.12	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.36	ppbv	V0					
Isopentane	0.04	0.65	ppbv	V0					
Isoprene	0.02	1.69	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.22	ppbv	V0					
Methanol	0.5	36.9	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.20	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	0.49	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210602523
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.7	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.92	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.18	ppbv	V0	o-Xylene	0.03	0.10	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	0.34	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.24	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.5	ppbv	V0					
Acetone	0.40	4.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	0.16	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.12	ppbv	V0					
Isopentane	0.04	0.79	ppbv	V0					
Isoprene	0.02	1.84	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.16	ppbv	V0					
Methanol	0.5	43.3	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.08	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210602526
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.6	mmHg		n-Heptane	0.04	0.44	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.20	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.34	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.25	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	0.14	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.26	ppbv	V0
2,3-Dimethylpentane	0.02	0.13	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.14	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.21	ppbv	V0					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.1	ppbv	V0					
Acetone	0.40	6.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.18	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.90	ppbv	V0					
Ethylbenzene	0.03	0.13	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.05	ppbv	V0					
Isopentane	0.04	0.44	ppbv	V0					
Isoprene	0.02	1.73	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.25	ppbv	V0					
Methanol	0.5	49.7	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.26	ppbv	V0					
Methylcyclopentane	0.05	0.14	ppbv	V0					
n-Butane	0.02	0.46	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 210602499
Start Date:	2021-06-17 10:20	End Date:	2021-06-17 10:21	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.20	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.09	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602463
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		705.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.05	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.3	ppbv	V0					
Acetone	0.40	4.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.09	ppbv	V0					
Isopentane	0.04	0.27	ppbv	V0					
Isoprene	0.02	1.34	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.15	ppbv	V0					
Methanol	0.5	98.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602472
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		712.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	9.6	ppbv	V0					
Acetone	0.40	4.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.49	ppbv	V0					
Isopentane	0.04	0.31	ppbv	V0					
Isoprene	0.02	2.73	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.15	ppbv	V0					
Methanol	0.5	55.3	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.05	ppbv	V0					
n-Butane	0.02	0.15	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602497
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		711.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.05	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.2	ppbv	V0					
Acetone	0.40	4.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.89	ppbv	V0					
Isopentane	0.04	0.31	ppbv	V0					
Isoprene	0.02	1.07	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.15	ppbv	V0					
Methanol	0.5	27.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.28	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210602500
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.23	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.07	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	9.9	ppbv	V0					
Acetone	0.40	4.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	7.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.53	ppbv	V0					
Isopentane	0.04	0.51	ppbv	V0					
Isoprene	0.02	0.84	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.16	ppbv	V0					
Methanol	0.5	69.1	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.78	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602505
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		722.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.17	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	10.6	ppbv	V0					
Acetone	0.40	8.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.65	ppbv	V0					
Isopentane	0.04	0.54	ppbv	V0					
Isoprene	0.02	0.81	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.18	ppbv	V0					
Methanol	0.5	61.1	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.79	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Field Procedure Blank	Set Index: 1
Location: Anzac	Loc ID: ANZC	WBEA ID: 210602596	
Start Date: 2021-06-24 12:45	End Date: 2021-06-24 12:46	Duration: 0.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210602564
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		23.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.2	mmHg		n-Heptane	0.04	0.22	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.15	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.18	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.29	ppbv	V0	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	0.10	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.10	ppbv	V0					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	9.6	ppbv	V0					
Acetone	0.40	4.50	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.15	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.50	ppbv	V0					
Ethylbenzene	0.03	0.11	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.60	ppbv	V0					
Isopentane	0.04	0.52	ppbv	V0					
Isoprene	0.02	3.48	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	31.9	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.80	ppbv	V0					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.27	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602579
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		20.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		714.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.13	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.20	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	0.10	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	0.19	ppbv	V0
2,3-Dimethylbutane	0.09	0.15	ppbv	V0	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.09	ppbv	V0					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	9.5	ppbv	V0					
Acetone	0.40	4.00	ppbv	V0					
alpha-Pinene	0.30	1.00	ppbv	V4					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	0.50	ppbv	V0					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.58	ppbv	V0					
Isopentane	0.04	0.41	ppbv	V0					
Isoprene	0.02	2.74	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	31.7	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.10	ppbv	V0					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.33	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Ells River	Loc ID:	ELSR	WBEA ID: 210602547
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		24.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.9	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.10	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.25	ppbv	V0	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.09	ppbv	V0					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	18.9	ppbv	V0					
Acetone	0.40	5.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.30	ppbv	V0					
Ethylbenzene	0.03	0.11	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	2.65	ppbv	V0					
Isopentane	0.04	0.32	ppbv	V0					
Isoprene	0.02	2.49	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	25.0	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.80	ppbv	V0					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.31	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210602550
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		22.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		740.3	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.12	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.24	ppbv	V0	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.09	ppbv	V0					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	15.1	ppbv	V0					
Acetone	0.40	4.80	ppbv	V0					
alpha-Pinene	0.30	0.50	ppbv	V0					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.70	ppbv	V0					
Ethylbenzene	0.03	0.10	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	2.08	ppbv	V0					
Isopentane	0.04	0.39	ppbv	V0					
Isoprene	0.02	3.22	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	35.2	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.60	ppbv	V0					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.13	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 210602570
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		22.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		721.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.20	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.19	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.20	ppbv	V0	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.09	ppbv	V0					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.6	ppbv	V0					
Acetone	0.40	3.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.91	ppbv	V0					
Isopentane	0.04	0.42	ppbv	V0					
Isoprene	0.02	5.32	ppbv	V4					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	36.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.50	ppbv	V0					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.10	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602597
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		20.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		720.5	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.84	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.14	ppbv	V0	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.22	ppbv	V0	Toluene	0.03	0.26	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.24	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.09	ppbv	V0					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.20	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.5	ppbv	V0					
Acetone	0.40	4.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	0.14	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.20	ppbv	V0					
Ethylbenzene	0.03	0.11	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.23	ppbv	V0					
Isopentane	0.04	1.09	ppbv	V0					
Isoprene	0.02	2.08	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	31.6	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.30	ppbv	V0					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.82	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210602586
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		23.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		741.2	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.69	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.14	ppbv	V0	o-Xylene	0.03	0.11	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.23	ppbv	V0	Toluene	0.03	0.22	ppbv	V0
2,3-Dimethylpentane	0.02	0.10	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.23	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.09	ppbv	V0					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.19	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.0	ppbv	V0					
Acetone	0.40	4.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	0.14	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.60	ppbv	V0					
Ethylbenzene	0.03	0.11	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.15	ppbv	V0					
Isopentane	0.04	0.90	ppbv	V0					
Isoprene	0.02	1.58	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	54.8	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.40	ppbv	V0					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.60	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister		<b>Deployment Information</b>		<b>Set Index:</b> 1
<b>Location:</b>	Barge Landing	<b>Samp Use:</b>	Exposure	<b>WBEA ID:</b> 210602544
<b>Start Date:</b>	2021-06-27 00:00	<b>Loc ID:</b>	BARG	<b>Duration:</b> 24.0 hr
		<b>End Date:</b>	2021-06-28 00:00	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		23.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.3	mmHg		n-Heptane	0.04	0.15	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.13	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.31	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.13	ppbv	V0	o-Xylene	0.03	0.10	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.25	ppbv	V0	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.09	ppbv	V0					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	16.8	ppbv	V0					
Acetone	0.40	4.80	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.00	ppbv	V0					
Ethylbenzene	0.03	0.10	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	2.42	ppbv	V0					
Isopentane	0.04	0.69	ppbv	V0					
Isoprene	0.02	2.47	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	40.0	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.40	ppbv	V0					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.35	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602603
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		23.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.9	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.59	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.13	ppbv	V0	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.25	ppbv	V0	Toluene	0.03	0.23	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.19	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.09	ppbv	V0					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.17	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	9.1	ppbv	V0					
Acetone	0.40	3.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	0.09	ppbv	V0					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.90	ppbv	V0					
Ethylbenzene	0.03	0.11	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.74	ppbv	V0					
Isopentane	0.04	0.94	ppbv	V0					
Isoprene	0.02	1.22	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	40.4	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.50	ppbv	V0					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.80	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID: 210602613
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		20.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.07	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.6	ppbv	V0					
Acetone	0.40	3.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.10	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.17	ppbv	V0					
Isopentane	0.04	0.16	ppbv	V0					
Isoprene	0.02	2.61	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	38.7	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.80	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.04	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Bertha Ganter - Fort McKay	Samp Use: Exposure	Loc ID: BGFM	WBEA ID: 210602618	Duration: 24.0 hr
Start Date: 2021-07-03 00:00	End Date: 2021-07-04 00:00			

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		20.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.0	ppbv	V0					
Acetone	0.40	3.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.11	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.91	ppbv	V0					
Isopentane	0.04	0.17	ppbv	V0					
Isoprene	0.02	2.37	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	17.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.80	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210602612
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		20.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		728.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.2	ppbv	V0					
Acetone	0.40	3.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.11	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.76	ppbv	V0					
Isopentane	0.04	0.13	ppbv	V0					
Isoprene	0.02	2.05	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	13.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.80	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister		<b>Deployment Information</b>		<b>Set Index:</b> 1
<b>Location:</b> Fort McKay South		<b>Samp Use:</b> Exposure	<b>Loc ID:</b> FMCS	<b>WBEA ID:</b> 210602611
<b>Start Date:</b> 2021-07-03 00:00		<b>End Date:</b> 2021-07-04 00:00		<b>Duration:</b> 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		20.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.29	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.12	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.10	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.11	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.27	ppbv	V0
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.3	ppbv	V0					
Acetone	0.40	4.40	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.11	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.80	ppbv	V0					
Ethylbenzene	0.03	0.10	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.29	ppbv	V0					
Isopentane	0.04	0.67	ppbv	V0					
Isoprene	0.02	2.81	ppbv	V0					
Isopropylalcohol	0.30	1.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	98.8	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.80	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	1.44	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702673
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		20.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		712.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.30	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.1	ppbv	V0					
Acetone	0.40	8.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.10	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.92	ppbv	V0					
Isopentane	0.04	0.47	ppbv	V0					
Isoprene	0.02	1.69	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	18.1	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.90	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.26	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210702679
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		20.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	2.66	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.05	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.23	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.22	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.49	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.9	ppbv	V0					
Acetone	0.40	5.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.29	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.55	ppbv	V0					
Isopentane	0.04	0.24	ppbv	V0					
Isoprene	0.02	1.24	ppbv	V0					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.13	ppbv	V0					
Methanol	0.5	67.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.80	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.44	ppbv	V0					
n-Butane	0.02	0.46	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602645
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		706.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.31	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.19	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.10	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.5	ppbv	V0					
Acetone	0.40	4.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.50	ppbv	V0					
Ethylbenzene	0.03	0.09	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.33	ppbv	V0					
Isopentane	0.04	0.60	ppbv	V0					
Isoprene	0.02	1.83	ppbv	V0					
Isopropylalcohol	0.30	1.00	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.17	ppbv	V0					
Methanol	0.5	107.0	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.90	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	1.51	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister		<b>Deployment Information</b>		<b>Set Index:</b> 1
<b>Location:</b> Conklin		<b>Samp Use:</b> Field Procedure Blank	<b>Loc ID:</b> CONK	<b>WBEA ID:</b> 210602641
<b>Start Date:</b> 2021-06-30 14:40		<b>End Date:</b> 2021-06-30 14:41		<b>Duration:</b> 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.61	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.09	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.9	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.05	ppbv	V0					
Isopentane	0.04	0.19	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.16	ppbv	V0					
Methanol	0.5	1.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.16	ppbv	V0					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 210602619
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		712.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.26	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.15	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.07	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	10.3	ppbv	V0					
Acetone	0.40	5.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.11	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.80	ppbv	V0					
Ethylbenzene	0.03	0.09	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.63	ppbv	V0					
Isopentane	0.04	0.56	ppbv	V0					
Isoprene	0.02	2.79	ppbv	V0					
Isopropylalcohol	0.30	0.80	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.15	ppbv	V0					
Methanol	0.5	74.2	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.20	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	1.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210702685
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	2.65	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.09	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.05	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.27	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.21	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.48	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.3	ppbv	V0					
Acetone	0.40	5.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.29	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.62	ppbv	V0					
Isopentane	0.04	0.30	ppbv	V0					
Isoprene	0.02	1.07	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.14	ppbv	V0					
Methanol	0.5	51.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.80	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.44	ppbv	V0					
n-Butane	0.02	0.46	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702735
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		25.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		716.6	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.31	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.39	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.07	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.46	ppbv	V0	Toluene	0.03	0.22	ppbv	V0
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.05	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.07	ppbv	V0					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.6	ppbv	V0					
Acetone	0.40	5.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.94	ppbv	V0					
Isopentane	0.04	0.69	ppbv	V0					
Isoprene	0.02	5.59	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	44.0	ppbv	V0					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	3.40	ppbv	V0					
Methylcyclohexane	0.02	0.09	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	0.82	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210702741
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		24.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.4	mmHg		n-Heptane	0.04	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.23	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.33	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.44	ppbv	V0	Toluene	0.03	0.20	ppbv	V0
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.04	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.07	ppbv	V0					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.0	ppbv	V0					
Acetone	0.40	5.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	0.06	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.64	ppbv	V0					
Isopentane	0.04	0.55	ppbv	V0					
Isoprene	0.02	6.27	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	54.2	ppbv	V0					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	3.10	ppbv	V0					
Methylcyclohexane	0.02	0.09	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.49	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

			Deployment Information		
Sample Type:	VOC Canister		Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier		Loc ID:	JANV	WBEA ID: 210702718
Start Date:	2021-07-07 11:05		End Date:	2021-07-07 11:06	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210702747
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		24.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.4	mmHg		n-Heptane	0.04	0.25	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.16	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.65	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.05	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.48	ppbv	V0	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.04	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.08	ppbv	V0					
3-Methylhexane	0.02	0.13	ppbv	V0					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	9.6	ppbv	V0					
Acetone	0.40	5.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	0.10	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.71	ppbv	V0					
Isopentane	0.04	0.74	ppbv	V0					
Isoprene	0.02	4.35	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	45.6	ppbv	V0					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	3.40	ppbv	V0					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.42	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210702688
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		26.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.42	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	5.04	ppbv	V4
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.69	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.82	ppbv	V0	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.06	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	1.57	ppbv	V4					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.06	ppbv	V0					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	1.32	ppbv	V4					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.7	ppbv	V0					
Acetone	0.40	5.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.11	ppbv	V0					
Cyclopentane	0.02	0.69	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.76	ppbv	V0					
Isopentane	0.04	4.08	ppbv	V4					
Isoprene	0.02	6.30	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	32.7	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	2.50	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.04	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210702691
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		27.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.12	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.32	ppbv	V0	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.04	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.9	ppbv	V0					
Acetone	0.40	4.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.11	ppbv	V0					
Cyclopentane	0.02	0.06	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.81	ppbv	V0					
Isopentane	0.04	0.33	ppbv	V0					
Isoprene	0.02	5.77	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	30.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	2.10	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.05	ppbv	V0					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210702694
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		25.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.27	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	2.29	ppbv	V4
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.34	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.46	ppbv	V0	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.04	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.69	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.06	ppbv	V0					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.58	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.5	ppbv	V0					
Acetone	0.40	5.90	ppbv	V0					
alpha-Pinene	0.30	0.50	ppbv	V0					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	0.32	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.51	ppbv	V0					
Isopentane	0.04	2.10	ppbv	V0					
Isoprene	0.02	8.49	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	38.9	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	2.30	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.17	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210702708
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		27.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	1.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.89	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.14	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.10	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.19	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.10	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.43	ppbv	V0	Toluene	0.03	0.34	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	0.04	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.45	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	9.2	ppbv	V0					
Acetone	0.40	5.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.29	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.45	ppbv	V0					
Isopentane	0.04	1.11	ppbv	V0					
Isoprene	0.02	6.75	ppbv	V0					
Isopropylalcohol	0.30	1.20	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.23	ppbv	V0					
Methanol	0.5	66.4	ppbv	V0					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	2.30	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.30	ppbv	V0					
n-Butane	0.02	0.89	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 210702809
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		24.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		709.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.81	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.23	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.14	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.12	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.09	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.60	ppbv	V0	Toluene	0.03	0.30	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	0.04	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.25	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	16.0	ppbv	V0					
Acetone	0.40	7.80	ppbv	V0					
alpha-Pinene	0.30	0.40	ppbv	V0					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.24	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	8.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	2.56	ppbv	V0					
Isopentane	0.04	0.71	ppbv	V0					
Isoprene	0.02	13.80	ppbv	V0					
Isopropylalcohol	0.30	1.10	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.22	ppbv	V0					
Methanol	0.5	73.3	ppbv	V0					
Methylethylketone	0.30	0.70	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	3.80	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.26	ppbv	V0					
n-Butane	0.02	1.05	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702719
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		25.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		716.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.29	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.17	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.07	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.62	ppbv	V0	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	0.04	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	14.8	ppbv	V0					
Acetone	0.40	7.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	2.36	ppbv	V0					
Isopentane	0.04	0.37	ppbv	V0					
Isoprene	0.02	17.70	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.17	ppbv	V0					
Methanol	0.5	38.3	ppbv	V0					
Methylethylketone	0.30	0.80	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	4.20	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	0.55	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702765
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		709.3	mmHg		n-Heptane	0.04	0.12	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.09	ppbv	V0	n-Hexane	0.03	4.89	ppbv	V4
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.23	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.13	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.32	ppbv	V0	Toluene	0.03	0.52	ppbv	V0
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.13	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.09	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.31	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.94	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.4	ppbv	V0					
Acetone	0.40	5.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.08	ppbv	V0					
Cyclohexane	0.04	0.63	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	0.08	ppbv	V0					
Ethanol	0.50	3.40	ppbv	V0					
Ethylbenzene	0.03	0.12	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.98	ppbv	V0					
Isopentane	0.04	1.06	ppbv	V0					
Isoprene	0.02	3.86	ppbv	V0					
Isopropylalcohol	0.30	0.70	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	33.6	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	2.40	ppbv	V0					
Methylcyclohexane	0.02	0.09	ppbv	V0					
Methylcyclopentane	0.05	0.89	ppbv	V0					
n-Butane	0.02	1.21	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210702759
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		22.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.4	mmHg		n-Heptane	0.04	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.09	ppbv	V0	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.33	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.07	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.29	ppbv	V0	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.08	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.6	ppbv	V0					
Acetone	0.40	6.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.21	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	0.06	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.70	ppbv	V0					
Ethylbenzene	0.03	0.12	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.02	ppbv	V0					
Isopentane	0.04	0.53	ppbv	V0					
Isoprene	0.02	3.49	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	68.7	ppbv	V0					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	2.40	ppbv	V0					
Methylcyclohexane	0.02	0.09	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.67	ppbv	V0					
n-Decane	0.06	0.09	ppbv	V0					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210702793
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		22.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.0	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.06	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.16	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.25	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.11	ppbv	V0	n-Propylbenzene	0.06	0.09	ppbv	V0
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.53	ppbv	V0	Toluene	0.03	0.22	ppbv	V0
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.17	ppbv	V0					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.11	ppbv	V0					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.9	ppbv	V0					
Acetone	0.40	7.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.22	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	0.08	ppbv	V0					
Ethanol	0.50	3.10	ppbv	V0					
Ethylbenzene	0.03	0.12	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.07	ppbv	V0					
Isopentane	0.04	0.45	ppbv	V0					
Isoprene	0.02	7.76	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	35.8	ppbv	V0					
Methylethylketone	0.30	0.70	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	3.90	ppbv	V0					
Methylcyclohexane	0.02	0.19	ppbv	V0					
Methylcyclopentane	0.05	0.14	ppbv	V0					
n-Butane	0.02	0.52	ppbv	V0					
n-Decane	0.06	0.10	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister		<b>Deployment Information</b>		<b>Set Index:</b> 1
<b>Location:</b>	Bertha Ganter - Fort McKay	<b>Samp Use:</b>	Exposure	<b>WBEA ID:</b> 210702781
<b>Start Date:</b>	2021-07-15 00:00	<b>Loc ID:</b>	BGFM	<b>Duration:</b> 24.0 hr
		<b>End Date:</b>	2021-07-16 00:00	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		23.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.2	mmHg		n-Heptane	0.04	0.12	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	3.10	ppbv	V4
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.05	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.18	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.40	ppbv	V0	Toluene	0.03	0.27	ppbv	V0
2,3-Dimethylpentane	0.02	0.10	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.10	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.11	ppbv	V0					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.29	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.81	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	11.6	ppbv	V0					
Acetone	0.40	6.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.47	ppbv	V0					
Cyclopentane	0.02	0.06	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.85	ppbv	V0					
Isopentane	0.04	0.78	ppbv	V0					
Isoprene	0.02	5.64	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	32.6	ppbv	V0					
Methylethylketone	0.30	0.60	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	3.00	ppbv	V0					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.57	ppbv	V0					
n-Butane	0.02	0.52	ppbv	V0					
n-Decane	0.06	0.09	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210702780
Start Date:	2021-07-13 11:40	End Date:	2021-07-13 11:41	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	0.09	ppbv	V0	n-Hexane	0.03	32.40	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.05	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.19	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.15	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.13	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	0.16	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.09	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.25	ppbv	V0	Toluene	0.03	1.38	ppbv	V0
2,3-Dimethylpentane	0.02	0.19	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.53	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.10	ppbv	V0	trans-2-Pentene	0.02	0.07	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.17	ppbv	V0					
2-Methylpentane	0.02	2.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.11	ppbv	V0					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	10.50	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.4	ppbv	V0					
Acetone	0.40	5.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.08	ppbv	V0					
Cyclohexane	0.04	4.09	ppbv	V0					
Cyclopentane	0.02	0.10	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.20	ppbv	V0					
Ethylbenzene	0.03	0.15	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.32	ppbv	V0					
Isopentane	0.04	1.43	ppbv	V0					
Isoprene	0.02	0.15	ppbv	V0					
Isopropylalcohol	0.30	1.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.32	ppbv	V0					
Methanol	0.5	13.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.90	ppbv	V0					
Methylcyclohexane	0.02	0.09	ppbv	V0					
Methylcyclopentane	0.05	7.89	ppbv	V0					
n-Butane	0.02	1.66	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	0.13	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702808
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		704.5	mmHg		n-Heptane	0.04	0.12	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.05	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.31	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.27	ppbv	V0	Toluene	0.03	0.20	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.10	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.5	ppbv	V0					
Acetone	0.40	4.90	ppbv	V0					
alpha-Pinene	0.30	0.50	ppbv	V0					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	0.40	ppbv	V0					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.09	ppbv	V0					
Cyclohexane	0.04	0.15	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	0.09	ppbv	V0					
Ethanol	0.50	4.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.31	ppbv	V0					
Isopentane	0.04	0.87	ppbv	V0					
Isoprene	0.02	4.81	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	46.2	ppbv	V0					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	2.20	ppbv	V0					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	1.06	ppbv	V0					
n-Decane	0.06	0.09	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Ells River	Loc ID:	ELSR	WBEA ID: 210702787
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		22.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.1	mmHg		n-Heptane	0.04	0.12	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.17	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	0.40	ppbv	V0
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.36	ppbv	V0	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.1	ppbv	V0					
Acetone	0.40	6.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.21	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.15	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.76	ppbv	V0					
Isopentane	0.04	0.26	ppbv	V0					
Isoprene	0.02	6.20	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	25.3	ppbv	V0					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	2.50	ppbv	V0					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.25	ppbv	V0					
n-Decane	0.06	0.09	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702799
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		710.7	mmHg		n-Heptane	0.04	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.19	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.29	ppbv	V0	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.06	ppbv	V0					
3-Methylpentane	0.02	0.02	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	11.6	ppbv	V0					
Acetone	0.40	5.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.23	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	0.08	ppbv	V0					
Ethanol	0.50	5.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.86	ppbv	V0					
Isopentane	0.04	0.38	ppbv	V0					
Isoprene	0.02	7.48	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	40.1	ppbv	V0					
Methylethylketone	0.30	0.60	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	2.40	ppbv	V0					
Methylcyclohexane	0.02	0.09	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.33	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210702753
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		720.3	mmHg		n-Heptane	0.04	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.39	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.13	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.07	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.30	ppbv	V0	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.06	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.2	ppbv	V0					
Acetone	0.40	4.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.27	ppbv	V0					
Isopentane	0.04	0.31	ppbv	V0					
Isoprene	0.02	2.89	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	45.0	ppbv	V0					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	2.50	ppbv	V0					
Methylcyclohexane	0.02	0.09	ppbv	V0					
Methylcyclopentane	0.05	0.16	ppbv	V0					
n-Butane	0.02	0.39	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702821
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		715.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.61	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.7	ppbv	V0					
Acetone	0.40	4.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.50	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.15	ppbv	V0					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.90	ppbv	V0					
Ethylbenzene	0.03	0.10	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.81	ppbv	V0					
Isopentane	0.04	0.68	ppbv	V0					
Isoprene	0.02	0.71	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	17.6	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.50	ppbv	V0					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.51	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210702815
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.90	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.27	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.32	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.28	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.9	ppbv	V0					
Acetone	0.40	4.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.48	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.24	ppbv	V0					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	0.06	ppbv	V0					
Ethanol	0.50	4.10	ppbv	V0					
Ethylbenzene	0.03	0.11	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.54	ppbv	V0					
Isopentane	0.04	0.51	ppbv	V0					
Isoprene	0.02	0.54	ppbv	V0					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.17	ppbv	V0					
Methanol	0.5	51.2	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.50	ppbv	V0					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.27	ppbv	V0					
n-Butane	0.02	0.85	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210702790
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.3	mmHg		n-Heptane	0.04	0.49	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.35	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.27	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.28	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.16	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.12	ppbv	V0					
3-Methylhexane	0.02	0.22	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	11.1	ppbv	V0					
Acetone	0.40	3.90	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	0.45	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.17	ppbv	V0					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	0.06	ppbv	V0					
Ethanol	0.50	2.60	ppbv	V0					
Ethylbenzene	0.03	0.12	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.64	ppbv	V0					
Isopentane	0.04	0.27	ppbv	V0					
Isoprene	0.02	0.93	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.19	ppbv	V0					
Methanol	0.5	16.8	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.50	ppbv	V0					
Methylcyclohexane	0.02	0.16	ppbv	V0					
Methylcyclopentane	0.05	0.16	ppbv	V0					
n-Butane	0.02	0.26	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210702833
Start Date:	2021-07-16 14:20	End Date:	2021-07-16 14:21	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	0.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 210702892
Start Date:	2021-07-22 11:46	End Date:	2021-07-22 11:47	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.04	ppbv	V0					
2-Methylpentane	0.02	0.06	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	0.09	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.13	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210702836
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.5	mmHg		n-Heptane	0.04	0.30	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.24	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.17	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.25	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.10	ppbv	V0					
3-Methylhexane	0.02	0.14	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	9.8	ppbv	V0					
Acetone	0.40	4.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.44	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.15	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	0.06	ppbv	V0					
Ethanol	0.50	3.40	ppbv	V0					
Ethylbenzene	0.03	0.11	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.44	ppbv	V0					
Isopentane	0.04	0.25	ppbv	V0					
Isoprene	0.02	0.54	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.17	ppbv	V0					
Methanol	0.5	19.5	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.50	ppbv	V0					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	0.27	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure	WBEA ID: 210702850
Start Date:	2021-07-21 00:00	Loc ID:	BGFM	Duration: 24.0 hr
		End Date:	2021-07-22 00:00	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.5	mmHg		n-Heptane	0.04	0.33	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.25	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.17	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.17	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.25	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.13	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.10	ppbv	V0					
3-Methylhexane	0.02	0.15	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.4	ppbv	V0					
Acetone	0.40	4.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.45	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.00	ppbv	V0					
Ethylbenzene	0.03	0.11	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.23	ppbv	V0					
Isopentane	0.04	0.31	ppbv	V0					
Isoprene	0.02	0.84	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.17	ppbv	V0					
Methanol	0.5	19.5	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.50	ppbv	V0					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	0.35	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702870
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		710.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.13	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.20	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	9.9	ppbv	V0					
Acetone	0.40	4.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.51	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.70	ppbv	V0					
Ethylbenzene	0.03	0.10	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.46	ppbv	V0					
Isopentane	0.04	0.32	ppbv	V0					
Isoprene	0.02	0.66	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.14	ppbv	V0					
Methanol	0.5	37.8	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.50	ppbv	V0					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.33	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702883
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		709.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.85	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.34	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.3	ppbv	V0					
Acetone	0.40	4.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	0.13	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.30	ppbv	V0					
Ethylbenzene	0.03	0.10	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.76	ppbv	V0					
Isopentane	0.04	0.26	ppbv	V0					
Isoprene	0.02	1.82	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.18	ppbv	V0					
Methanol	0.5	34.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.90	ppbv	V0					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.17	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister		<b>Deployment Information</b>		<b>Set Index:</b> 1
<b>Location:</b> Ells River		<b>Samp Use:</b> Exposure	<b>Loc ID:</b> ELSR	<b>WBEA ID:</b> 210702853
<b>Start Date:</b> 2021-07-21 00:00		<b>End Date:</b> 2021-07-22 00:00		<b>Duration:</b> 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.6	mmHg		n-Heptane	0.04	0.32	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.28	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.18	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.17	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.27	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.12	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.10	ppbv	V0					
3-Methylhexane	0.02	0.14	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.4	ppbv	V0					
Acetone	0.40	3.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.45	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.17	ppbv	V0					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.50	ppbv	V0					
Ethylbenzene	0.03	0.11	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.61	ppbv	V0					
Isopentane	0.04	0.24	ppbv	V0					
Isoprene	0.02	0.71	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.16	ppbv	V0					
Methanol	0.5	12.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.50	ppbv	V0					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	0.29	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702861
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		716.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.13	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.8	ppbv	V0					
Acetone	0.40	4.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.43	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.00	ppbv	V0					
Ethylbenzene	0.03	0.09	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.14	ppbv	V0					
Isopentane	0.04	0.19	ppbv	V0					
Isoprene	0.02	1.33	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	18.4	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.70	ppbv	V0					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.25	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210702832
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.32	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.12	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.10	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.28	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.06	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	16.8	ppbv	V0					
Acetone	0.40	5.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.47	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	0.06	ppbv	V0					
Ethanol	0.50	5.60	ppbv	V0					
Ethylbenzene	0.03	0.11	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	2.51	ppbv	V0					
Isopentane	0.04	0.88	ppbv	V0					
Isoprene	0.02	0.52	ppbv	V0					
Isopropylalcohol	0.30	1.00	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.18	ppbv	V0					
Methanol	0.5	37.3	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.60	ppbv	V0					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	1.56	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702871
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		715.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.08	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.32	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.13	ppbv	V0	Toluene	0.03	0.36	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.07	ppbv	V0					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.9	ppbv	V0					
Acetone	0.40	3.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.67	ppbv	V0					
Isopentane	0.04	0.35	ppbv	V0					
Isoprene	0.02	1.10	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.14	ppbv	V0					
Methanol	0.5	33.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.90	ppbv	V0					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.46	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210702889
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.0	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.08	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.24	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.16	ppbv	V0	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.05	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.08	ppbv	V0					
3-Methylhexane	0.02	0.06	ppbv	V0					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.6	ppbv	V0					
Acetone	0.40	4.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	0.06	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.78	ppbv	V0					
Isopentane	0.04	0.37	ppbv	V0					
Isoprene	0.02	1.19	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.15	ppbv	V0					
Methanol	0.5	66.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.10	ppbv	V0					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.50	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID: 210702917
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.17	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.17	ppbv	V0	Toluene	0.03	0.09	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.0	ppbv	V0					
Acetone	0.40	2.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.14	ppbv	V0					
Isopentane	0.04	0.36	ppbv	V0					
Isoprene	0.02	2.25	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	15.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.20	ppbv	V0					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.10	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister		<b>Deployment Information</b>		<b>Set Index:</b> 1
<b>Location:</b>	Bertha Ganter - Fort McKay	<b>Samp Use:</b>	Exposure	<b>WBEA ID:</b> 210702918
<b>Start Date:</b>	2021-07-27 00:00	<b>Loc ID:</b>	BGFM	<b>Duration:</b> 24.0 hr
		<b>End Date:</b>	2021-07-28 00:00	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.13	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.65	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.05	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.12	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.21	ppbv	V0	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.04	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.8	ppbv	V0					
Acetone	0.40	2.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	0.14	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.65	ppbv	V0					
Isopentane	0.04	0.56	ppbv	V0					
Isoprene	0.02	1.93	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	15.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.20	ppbv	V0					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.10	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210702909
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.08	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.28	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.16	ppbv	V0	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	10.9	ppbv	V0					
Acetone	0.40	3.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.58	ppbv	V0					
Isopentane	0.04	0.28	ppbv	V0					
Isoprene	0.02	1.85	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	19.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.10	ppbv	V0					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.06	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210702912
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.3	mmHg		n-Heptane	0.04	0.12	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.08	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.87	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.16	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.22	ppbv	V0	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.05	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.22	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	16.0	ppbv	V0					
Acetone	0.40	4.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.15	ppbv	V0					
Cyclopentane	0.02	0.15	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	2.77	ppbv	V0					
Isopentane	0.04	0.94	ppbv	V0					
Isoprene	0.02	2.00	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	19.7	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.00	ppbv	V0					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.11	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702908
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		716.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.08	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.09	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.05	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.14	ppbv	V0	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	10.1	ppbv	V0					
Acetone	0.40	3.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.46	ppbv	V0					
Isopentane	0.04	0.22	ppbv	V0					
Isoprene	0.02	1.98	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	31.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.00	ppbv	V0					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information		Deployment Information		Set Index	
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210703015
Start Date:	2021-07-29 12:05	End Date:	2021-07-29 12:06	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.04	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	0.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210702960
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		24.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.9	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.20	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.09	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.25	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.26	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.09	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.40	ppbv	V0	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.07	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	0.39	ppbv	V0					
3-Methyl-1-butene	0.02	0.02	ppbv	V0					
3-Methylheptane	0.03	0.08	ppbv	V0					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.39	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	14.0	ppbv	V0					
Acetone	0.40	4.60	ppbv	V0					
alpha-Pinene	0.30	1.00	ppbv	V4					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	0.60	ppbv	V0					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	0.20	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	2.04	ppbv	V0					
Isopentane	0.04	1.92	ppbv	V0					
Isoprene	0.02	6.55	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.16	ppbv	V0					
Methanol	0.5	18.6	ppbv	V0					
Methylethylketone	0.30	0.60	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	2.10	ppbv	V0					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	1.32	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister	<b>Deployment Information</b>	
<b>Location:</b> Conklin	<b>Samp Use:</b> Exposure	<b>Set Index:</b> 1
<b>Start Date:</b> 2021-08-02 00:00	<b>Loc ID:</b> CONK	<b>WBEA ID:</b> 210702998
	<b>End Date:</b> 2021-08-03 00:00	<b>Duration:</b> 24.0 hr

**Notes**

None

**Data**

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		713.4	mmHg		n-Heptane	0.04	0.13	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.08	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.18	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.16	ppbv	V0	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.05	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	0.02	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.7	ppbv	V0					
Acetone	0.40	4.40	ppbv	V0					
alpha-Pinene	0.30	1.80	ppbv	V4					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	1.30	ppbv	V4					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.64	ppbv	V0					
Isopentane	0.04	0.26	ppbv	V0					
Isoprene	0.02	8.91	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	18.0	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.10	ppbv	V0					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.28	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Set Index: 1
Location: Ells River	Samp Use: Exposure	WBEA ID: 210702965
Start Date: 2021-08-02 00:00	Loc ID: ELSR	Duration: 24.0 hr
	End Date: 2021-08-03 00:00	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		24.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.0	mmHg		n-Heptane	0.04	0.20	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.10	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.15	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.32	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.13	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.09	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.44	ppbv	V0	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.09	ppbv	V0					
3-Methylhexane	0.02	0.06	ppbv	V0					
3-Methylpentane	0.02	0.16	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	14.4	ppbv	V0					
Acetone	0.40	3.90	ppbv	V0					
alpha-Pinene	0.30	0.60	ppbv	V0					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	0.40	ppbv	V0					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.25	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	2.09	ppbv	V0					
Isopentane	0.04	0.87	ppbv	V0					
Isoprene	0.02	8.24	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.15	ppbv	V0					
Methanol	0.5	14.5	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	2.80	ppbv	V0					
Methylcyclohexane	0.02	0.15	ppbv	V0					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.21	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister		<b>Deployment Information</b>		<b>Set Index:</b> 1
<b>Location:</b> Fort McKay South		<b>Samp Use:</b> Exposure	<b>Loc ID:</b> FMCS	<b>WBEA ID:</b> 210702972
<b>Start Date:</b> 2021-08-02 00:00		<b>End Date:</b> 2021-08-03 00:00		<b>Duration:</b> 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		22.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.6	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.10	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.15	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.35	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.28	ppbv	V0	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.09	ppbv	V0					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.6	ppbv	V0					
Acetone	0.40	4.40	ppbv	V0					
alpha-Pinene	0.30	0.90	ppbv	V0					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	0.60	ppbv	V0					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.24	ppbv	V0					
Isopentane	0.04	0.65	ppbv	V0					
Isoprene	0.02	10.90	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.15	ppbv	V0					
Methanol	0.5	16.8	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.80	ppbv	V0					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.23	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210703016
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		20.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		719.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.21	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.08	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.04	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.3	ppbv	V0					
Acetone	0.40	4.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.69	ppbv	V0					
Isopentane	0.04	0.38	ppbv	V0					
Isoprene	0.02	6.85	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	22.0	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.20	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.29	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: **VOC Canister**  
 Location: **Conklin**  
 Start Date: **2021-08-08 00:00**

### Deployment Information

Samp Use: **Exposure**  
 Loc ID: **CONK**  
 End Date: **2021-08-09 00:00**

Set Index: **1**  
 WBEA ID: **210803075**  
 Duration: **24.0 hr**

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		705.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.20	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	10.5	ppbv	V0					
Acetone	0.40	3.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.59	ppbv	V0					
Isopentane	0.04	0.26	ppbv	V0					
Isoprene	0.02	0.50	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	18.8	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.40	ppbv	V0					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.18	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 210803074
Start Date:	2021-08-04 14:15	End Date:	2021-08-04 14:16	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.5	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.04	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: <b>VOC Canister</b>		Deployment Information		Set Index: <b>1</b>
Location:	<b>Janvier</b>	Samp Use: <b>Exposure</b>	Loc ID: <b>JANV</b>	WBEA ID: <b>210803060</b>
Start Date:	<b>2021-08-08 00:00</b>	End Date: <b>2021-08-09 00:00</b>	Duration: <b>24.0 hr</b>	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		711.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.0	ppbv	V0					
Acetone	0.40	2.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.20	ppbv	V0					
Isopentane	0.04	0.20	ppbv	V0					
Isoprene	0.02	0.91	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	19.9	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.40	ppbv	V0					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.07	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
Location: Anzac  
Start Date: 2021-08-08 00:00

### Deployment Information

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-08-09 00:00

Set Index: 1  
WBEA ID: 210803081  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		710.5	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.77	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.18	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.10	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.30	ppbv	V0
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.23	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.9	ppbv	V0					
Acetone	0.40	3.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.26	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.19	ppbv	V0					
Isopentane	0.04	0.49	ppbv	V0					
Isoprene	0.02	0.43	ppbv	V0					
Isopropylalcohol	0.30	0.90	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	14.5	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.40	ppbv	V0					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	0.25	ppbv	V0					
n-Butane	0.02	0.57	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister	<b>Deployment Information</b>	<b>Samp Use:</b> Exposure	<b>Set Index:</b> 1
<b>Location:</b> Athabasca Valley	<b>Loc ID:</b> ATHV	<b>WBEA ID:</b> 210803082	
<b>Start Date:</b> 2021-08-08 00:00	<b>End Date:</b> 2021-08-09 00:00	<b>Duration:</b> 24.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.1	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.15	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.07	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.9	ppbv	V0					
Acetone	0.40	5.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.19	ppbv	V0					
Isopentane	0.04	0.26	ppbv	V0					
Isoprene	0.02	0.42	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	53.9	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.70	ppbv	V0					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.13	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: **VOC Canister**  
 Location: **Patricia McInnes**  
 Start Date: **2021-08-08 00:00**

### Deployment Information

Samp Use: **Exposure**  
 Loc ID: **PATM**  
 End Date: **2021-08-09 00:00**

Set Index: **1**  
 WBEA ID: **210803088**  
 Duration: **24.0 hr**

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		722.6	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	2.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.17	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.10	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.34	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.09	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.42	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	10.4	ppbv	V0					
Acetone	0.40	3.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.32	ppbv	V0					
Cyclopentane	0.02	0.17	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.59	ppbv	V0					
Isopentane	0.04	0.56	ppbv	V0					
Isoprene	0.02	0.37	ppbv	V0					
Isopropylalcohol	0.30	1.80	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	16.7	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.50	ppbv	V0					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	0.54	ppbv	V0					
n-Butane	0.02	0.61	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister		<b>Deployment Information</b>		<b>Set Index:</b> 1
<b>Location:</b> Barge Landing		<b>Samp Use:</b> Exposure		<b>WBEA ID:</b> 210803096
<b>Start Date:</b> 2021-08-08 00:00		<b>Loc ID:</b> BARG		<b>Duration:</b> 24.0 hr
		<b>End Date:</b> 2021-08-09 00:00		

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.08	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.08	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.4	ppbv	V0					
Acetone	0.40	1.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.85	ppbv	V0					
Isopentane	0.04	0.19	ppbv	V0					
Isoprene	0.02	0.45	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	14.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.07	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Bertha Ganter - Fort McKay	Samp Use: Exposure	Loc ID: BGFM	WBEA ID: 210803033	Duration: 24.0 hr
Start Date: 2021-08-08 00:00	End Date: 2021-08-09 00:00			

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.25	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.08	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.08	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.04	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.16	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.5	ppbv	V0					
Acetone	0.40	2.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.28	ppbv	V0					
Isopentane	0.04	0.34	ppbv	V0					
Isoprene	0.02	0.63	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	6.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.23	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Ells River		Loc ID:	ELSR	WBEA ID:	210803028
Start Date:	2021-08-08 00:00		End Date:	2021-08-09 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		728.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.84	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.08	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.28	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.08	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.05	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.27	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.0	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.23	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.35	ppbv	V0					
Isopentane	0.04	0.46	ppbv	V0					
Isoprene	0.02	0.45	ppbv	V0					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	6.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.24	ppbv	V0					
n-Butane	0.02	0.24	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
Location: Fort McKay South  
Start Date: 2021-08-08 00:00

### Deployment Information

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-08-09 00:00

Set Index: 1  
WBEA ID: 210803029  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.08	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.08	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.6	ppbv	V0					
Acetone	0.40	2.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.88	ppbv	V0					
Isopentane	0.04	0.13	ppbv	V0					
Isoprene	0.02	0.76	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	18.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
 Location: Barge Landing  
 Start Date: 2021-08-14 00:00

### Deployment Information

Samp Use: Exposure  
 Loc ID: BARG  
 End Date: 2021-08-15 00:00

Set Index: 1  
 WBEA ID: 210803097  
 Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.7	mmHg		n-Heptane	0.04	0.34	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.40	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.25	ppbv	V0
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.21	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.12	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.10	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.26	ppbv	V0	Toluene	0.03	0.32	ppbv	V0
2,3-Dimethylpentane	0.02	0.14	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.14	ppbv	V0					
3-Methylhexane	0.02	0.17	ppbv	V0					
3-Methylpentane	0.02	0.16	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.2	ppbv	V0					
Acetone	0.40	3.50	ppbv	V0					
alpha-Pinene	0.30	0.60	ppbv	V0					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	0.40	ppbv	V0					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.22	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.46	ppbv	V0					
Isopentane	0.04	0.44	ppbv	V0					
Isoprene	0.02	3.94	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	15.4	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.50	ppbv	V0					
Methylcyclohexane	0.02	0.19	ppbv	V0					
Methylcyclopentane	0.05	0.18	ppbv	V0					
n-Butane	0.02	0.43	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Set Index: 1
Location:	Ells River	Samp Use: Exposure	WBEA ID: 210803098
Start Date:	2021-08-14 00:00	Loc ID: ELSR	Duration: 24.0 hr
		End Date: 2021-08-15 00:00	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		22.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.10	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.19	ppbv	V0	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.0	ppbv	V0					
Acetone	0.40	3.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.74	ppbv	V0					
Isopentane	0.04	0.17	ppbv	V0					
Isoprene	0.02	3.60	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	12.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.40	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID: 210803101
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		728.5	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.18	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.10	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.19	ppbv	V0	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.4	ppbv	V0					
Acetone	0.40	3.00	ppbv	V0					
alpha-Pinene	0.30	0.50	ppbv	V0					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.65	ppbv	V0					
Isopentane	0.04	0.33	ppbv	V0					
Isoprene	0.02	3.49	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	16.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.10	ppbv	V0					
Methylcyclohexane	0.02	0.15	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.18	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 210803131
Start Date:	2021-08-10 13:29	End Date:	2021-08-10 13:30	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	0.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803105
Start Date:	2021-08-16 13:20	End Date:	2021-08-17 13:20	Duration:	24.0 hr

### Notes

Valve on canister was left closed on NAPS day. Valve opened and canister redeployed on August 16th at 13:20 MST.

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		724.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.48	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.13	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.24	ppbv	V0
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.16	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	2.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.32	ppbv	V0					
Isopentane	0.04	0.35	ppbv	V0					
Isoprene	0.02	0.48	ppbv	V0					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	8.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.17	ppbv	V0					
n-Butane	0.02	0.34	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803124
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		705.3	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	3.42	ppbv	V4
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.32	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.13	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.29	ppbv	V0	Toluene	0.03	0.65	ppbv	V0
2,3-Dimethylpentane	0.02	0.13	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.14	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	0.80	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.8	ppbv	V0					
Acetone	0.40	4.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.22	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.53	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.04	ppbv	V0					
Isopentane	0.04	0.78	ppbv	V0					
Isoprene	0.02	3.23	ppbv	V0					
Isopropylalcohol	0.30	0.90	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	18.9	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.70	ppbv	V0					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	0.92	ppbv	V0					
n-Butane	0.02	0.94	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210803133
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		23.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		711.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.19	ppbv	V0	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.1	ppbv	V0					
Acetone	0.40	4.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.08	ppbv	V0					
Isopentane	0.04	0.26	ppbv	V0					
Isoprene	0.02	4.27	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	18.4	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.30	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.15	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
Location: Anzac  
Start Date: 2021-08-14 00:00

Deployment Information  
Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-08-15 00:00

Set Index: 1  
WBEA ID: 210803151  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		20.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		709.5	mmHg		n-Heptane	0.04	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	1.01	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.26	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.12	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.10	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.23	ppbv	V0	Toluene	0.03	0.41	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.09	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	0.02	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.09	ppbv	V0					
3-Methylpentane	0.02	0.33	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.7	ppbv	V0					
Acetone	0.40	3.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.08	ppbv	V0					
Cyclohexane	0.04	0.26	ppbv	V0					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	0.08	ppbv	V0					
Ethanol	0.50	4.90	ppbv	V0					
Ethylbenzene	0.03	0.16	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.09	ppbv	V0					
Isopentane	0.04	0.66	ppbv	V0					
Isoprene	0.02	2.22	ppbv	V0					
Isopropylalcohol	0.30	0.80	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.27	ppbv	V0					
Methanol	0.5	17.7	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.50	ppbv	V0					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.32	ppbv	V0					
n-Butane	0.02	0.85	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: <b>VOC Canister</b>	Deployment Information	Set Index: 1
Location: <b>Athabasca Valley</b>	Samp Use: <b>Exposure</b>	WBEA ID: <b>210803157</b>
Start Date: <b>2021-08-14 00:00</b>	Loc ID: <b>ATHV</b>	Duration: <b>24.0 hr</b>
	End Date: <b>2021-08-15 00:00</b>	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.2	mmHg		n-Heptane	0.04	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.62	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.31	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.13	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.10	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.23	ppbv	V0	Toluene	0.03	0.37	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.09	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	0.02	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.09	ppbv	V0					
3-Methylpentane	0.02	0.23	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.8	ppbv	V0					
Acetone	0.40	4.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.08	ppbv	V0					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	0.08	ppbv	V0					
Ethanol	0.50	5.30	ppbv	V0					
Ethylbenzene	0.03	0.16	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.66	ppbv	V0					
Isopentane	0.04	0.74	ppbv	V0					
Isoprene	0.02	2.37	ppbv	V0					
Isopropylalcohol	0.30	1.10	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.27	ppbv	V0					
Methanol	0.5	56.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.30	ppbv	V0					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.25	ppbv	V0					
n-Butane	0.02	1.00	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Set Index: 1
Location:	Patricia McInnes	Samp Use: Exposure	WBEA ID: 210803163
Start Date:	2021-08-14 00:00	Loc ID: PATM	Duration: 24.0 hr
		End Date: 2021-08-15 00:00	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		720.6	mmHg		n-Heptane	0.04	0.12	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	1.78	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.23	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.14	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.10	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.27	ppbv	V0	Toluene	0.03	0.46	ppbv	V0
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.10	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.09	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	0.02	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.49	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	21.4	ppbv	V0					
Acetone	0.40	5.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.07	ppbv	V0					
Cyclohexane	0.04	0.34	ppbv	V0					
Cyclopentane	0.02	0.10	ppbv	V0					
Cyclopentene	0.02	0.08	ppbv	V0					
Ethanol	0.50	5.00	ppbv	V0					
Ethylbenzene	0.03	0.16	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	3.92	ppbv	V4					
Isopentane	0.04	0.78	ppbv	V0					
Isoprene	0.02	2.20	ppbv	V0					
Isopropylalcohol	0.30	1.10	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.27	ppbv	V0					
Methanol	0.5	18.0	ppbv	V0					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.70	ppbv	V0					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.53	ppbv	V0					
n-Butane	0.02	0.82	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
 Location: Athabasca Valley  
 Start Date: 2021-08-20 00:00

Deployment Information  
 Samp Use: Exposure  
 Loc ID: ATHV  
 End Date: 2021-08-21 00:00

Set Index: 1  
 WBEA ID: 210803247  
 Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.1	mmHg		n-Heptane	0.04	0.13	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.28	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.54	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	0.13	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.07	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.10	ppbv	V0					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.1	ppbv	V0					
Acetone	0.40	6.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.24	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.07	ppbv	V0					
Cyclohexane	0.04	0.17	ppbv	V0					
Cyclopentane	0.02	0.06	ppbv	V0					
Cyclopentene	0.02	0.08	ppbv	V0					
Ethanol	0.50	4.30	ppbv	V0					
Ethylbenzene	0.03	0.15	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.40	ppbv	V0					
Isopentane	0.04	0.27	ppbv	V0					
Isoprene	0.02	0.30	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.22	ppbv	V0					
Methanol	0.5	67.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.16	ppbv	V0					
n-Butane	0.02	0.14	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803204	
Start Date:	2021-08-17 13:25	End Date:	2021-08-17 13:26	Duration:	0.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.04	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.05	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes		Loc ID:	PATM	WBEA ID:	210803254
Start Date:	2021-08-20 00:00		End Date:	2021-08-21 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.6	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.15	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.18	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.24	ppbv	V0
2,3-Dimethylpentane	0.02	0.10	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.08	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.11	ppbv	V0					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.1	ppbv	V0					
Acetone	0.40	2.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.21	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.07	ppbv	V0					
Cyclohexane	0.04	0.17	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.90	ppbv	V0					
Ethylbenzene	0.03	0.16	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.56	ppbv	V0					
Isopentane	0.04	0.42	ppbv	V0					
Isoprene	0.02	0.27	ppbv	V0					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.25	ppbv	V0					
Methanol	0.5	15.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.09	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	0.36	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister	<b>Deployment Information</b>	<b>Samp Use:</b> Exposure	<b>Set Index:</b> 1
<b>Location:</b> Barge Landing	<b>Loc ID:</b> BARG	<b>WBEA ID:</b> 210803194	
<b>Start Date:</b> 2021-08-20 00:00	<b>End Date:</b> 2021-08-21 00:00	<b>Duration:</b> 24.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.9	mmHg		n-Heptane	0.04	0.09	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.57	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.14	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.13	ppbv	V0	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.18	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.17	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.9	ppbv	V0					
Acetone	0.40	2.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.15	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.82	ppbv	V0					
Isopentane	0.04	0.54	ppbv	V0					
Isoprene	0.02	0.57	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.20	ppbv	V0					
Methanol	0.5	11.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.14	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 210803205
Start Date:	2021-08-20 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2021-08-21 00:00	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.1	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.17	ppbv	V0	n-Hexane	0.03	1.36	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.24	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.26	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.20	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.19	ppbv	V0	o-Xylene	0.03	0.20	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.10	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.22	ppbv	V0	Toluene	0.03	0.87	ppbv	V0
2,3-Dimethylpentane	0.02	0.26	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.13	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.12	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.15	ppbv	V0					
2-Methylpentane	0.02	0.46	ppbv	V0					
3-Methyl-1-butene	0.02	0.02	ppbv	V0					
3-Methylheptane	0.03	0.10	ppbv	V0					
3-Methylhexane	0.02	0.16	ppbv	V0					
3-Methylpentane	0.02	0.56	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.1	ppbv	V0					
Acetone	0.40	3.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.26	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.09	ppbv	V0					
Cyclohexane	0.04	0.23	ppbv	V0					
Cyclopentane	0.02	0.31	ppbv	V0					
Cyclopentene	0.02	0.08	ppbv	V0					
Ethanol	0.50	4.50	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.99	ppbv	V0					
Isopentane	0.04	1.91	ppbv	V0					
Isoprene	0.02	0.52	ppbv	V0					
Isopropylalcohol	0.30	3.10	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.40	ppbv	V0					
Methanol	0.5	16.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.09	ppbv	V0					
Methylcyclopentane	0.05	0.40	ppbv	V0					
n-Butane	0.02	2.26	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Set Index: 1
Location:	Ells River	Samp Use: Exposure	WBEA ID: 210803172
Start Date:	2021-08-20 00:00	Loc ID: ELSR	Duration: 24.0 hr
		End Date: 2021-08-21 00:00	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.3	mmHg		n-Heptane	0.04	0.09	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.21	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.2	ppbv	V0					
Acetone	0.40	2.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.17	ppbv	V0					
Cyclopentane	0.02	0.06	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.57	ppbv	V0					
Isopentane	0.04	0.38	ppbv	V0					
Isoprene	0.02	0.37	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	6.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.27	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210803171	
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.1	mmHg		n-Heptane	0.04	0.10	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.82	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.18	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.17	ppbv	V0	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.24	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.21	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.0	ppbv	V0					
Acetone	0.40	5.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.21	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.15	ppbv	V0					
Cyclopentane	0.02	0.16	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.40	ppbv	V0					
Ethylbenzene	0.03	0.14	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.68	ppbv	V0					
Isopentane	0.04	0.73	ppbv	V0					
Isoprene	0.02	0.44	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.20	ppbv	V0					
Methanol	0.5	13.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.10	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **VOC Canister**  
 Location: **Anzac**  
 Start Date: **2021-08-20 00:00**

Samp Use: **Exposure**  
 Loc ID: **ANZC**  
 End Date: **2021-08-21 00:00**

Set Index: **1**  
 WBEA ID: **210803241**  
 Duration: **24.0 hr**

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		716.2	mmHg		n-Heptane	0.04	0.09	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.3	ppbv	V0					
Acetone	0.40	4.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.06	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.44	ppbv	V0					
Isopentane	0.04	0.20	ppbv	V0					
Isoprene	0.02	0.33	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	9.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.30	ppbv	V0					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.08	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: **VOC Canister**  
 Location: **Conklin**  
 Start Date: **2021-08-20 00:00**

### Deployment Information

Samp Use: **Exposure**  
 Loc ID: **CONK**  
 End Date: **2021-08-21 00:00**

Set Index: **1**  
 WBEA ID: **210803203**  
 Duration: **24.0 hr**

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		709.8	mmHg		n-Heptane	0.04	0.09	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.22	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.2	ppbv	V0					
Acetone	0.40	2.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.06	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.60	ppbv	V0					
Ethylbenzene	0.03	0.14	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.87	ppbv	V0					
Isopentane	0.04	0.33	ppbv	V0					
Isoprene	0.02	0.61	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	16.7	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.40	ppbv	V0					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.15	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
 Location: Janvier  
 Start Date: 2021-08-20 00:00

### Deployment Information

Samp Use: Exposure  
 Loc ID: JANV  
 End Date: 2021-08-21 00:00

Set Index: 1  
 WBEA ID: 210803211  
 Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		717.4	mmHg		n-Heptane	0.04	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.26	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.30	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.13	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.29	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.09	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.10	ppbv	V0					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.16	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.6	ppbv	V0					
Acetone	0.40	2.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.23	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.30	ppbv	V0					
Ethylbenzene	0.03	0.16	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.93	ppbv	V0					
Isopentane	0.04	0.68	ppbv	V0					
Isoprene	0.02	0.64	ppbv	V0					
Isopropylalcohol	0.30	0.90	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	18.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.40	ppbv	V0					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	0.88	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210803316
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		714.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.18	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.05	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.08	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.5	ppbv	V0					
Acetone	0.40	3.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.50	ppbv	V0					
Ethylbenzene	0.03	0.11	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.46	ppbv	V0					
Isopentane	0.04	0.25	ppbv	V0					
Isoprene	0.02	0.70	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	12.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.70	ppbv	V0					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.21	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: **VOC Canister**  
Location: **Athabasca Valley**  
Start Date: **2021-08-26 00:00**

### Deployment Information

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-08-27 00:00**

Set Index: **1**  
WBEA ID: **210803272**  
Duration: **24.0 hr**

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.10	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.26	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.12	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.10	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.06	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.1	ppbv	V0					
Acetone	0.40	5.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.60	ppbv	V0					
Ethylbenzene	0.03	0.12	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.55	ppbv	V0					
Isopentane	0.04	0.58	ppbv	V0					
Isoprene	0.02	0.55	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.17	ppbv	V0					
Methanol	0.5	47.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.70	ppbv	V0					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.63	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<p>Sample Type: <b>VOC Canister</b>          Location: <b>Patricia McInnes</b>          Start Date: <b>2021-08-26 00:00</b></p>	<p><b>Deployment Information</b>          Samp Use: <b>Exposure</b>          Loc ID: <b>PATM</b>          End Date: <b>2021-08-27 00:00</b></p>	<p>Set Index: <b>1</b>          WBEA ID: <b>210803265</b>          Duration: <b>24.0 hr</b></p>
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### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		724.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.10	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.23	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.10	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.06	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.7	ppbv	V0					
Acetone	0.40	4.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.18	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.00	ppbv	V0					
Ethylbenzene	0.03	0.13	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.95	ppbv	V0					
Isopentane	0.04	0.52	ppbv	V0					
Isoprene	0.02	0.63	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.20	ppbv	V0					
Methanol	0.5	17.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.70	ppbv	V0					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.66	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

			Deployment Information		
Sample Type:	VOC Canister		Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes		Loc ID:	PATM	WBEA ID: 210803264
Start Date:	2021-08-23 13:05		End Date:	2021-08-23 13:06	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.09	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.05	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.08	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.04	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.6	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	0.11	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.14	ppbv	V0					
Isoprene	0.02	0.06	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.13	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information		Deployment Information	
Sample Type:	VOC Canister	Samp Use:	Exposure
Location:	Barge Landing	Loc ID:	BARG
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00
		Set Index:	1
		WBEA ID:	210803273
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.4	mmHg		n-Heptane	0.04	0.28	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.11	ppbv	V0	n-Hexane	0.03	0.25	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.08	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.23	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.23	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.05	ppbv	V0	Styrene	0.04	0.17	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	0.10	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.04	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.05	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.12	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.11	ppbv	V0					
3-Methylhexane	0.02	0.15	ppbv	V0					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.4	ppbv	V0					
Acetone	0.40	2.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.17	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.60	ppbv	V0					
Ethylbenzene	0.03	0.13	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.70	ppbv	V0					
Isopentane	0.04	0.41	ppbv	V0					
Isoprene	0.02	0.70	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	17.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.50	ppbv	V0					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
n-Butane	0.02	0.49	ppbv	V0					
n-Decane	0.06	0.11	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay		Loc ID: BGFM	WBEA ID: 210803289
Start Date: 2021-08-26 00:00		End Date: 2021-08-27 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.6	mmHg		n-Heptane	0.04	0.34	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.11	ppbv	V0	n-Hexane	0.03	0.30	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.25	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.07	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	0.17	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.29	ppbv	V0
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.06	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.13	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.13	ppbv	V0					
3-Methylhexane	0.02	0.18	ppbv	V0					
3-Methylpentane	0.02	0.16	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.6	ppbv	V0					
Acetone	0.40	2.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.00	ppbv	V0					
Ethylbenzene	0.03	0.14	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.86	ppbv	V0					
Isopentane	0.04	0.46	ppbv	V0					
Isoprene	0.02	0.87	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.22	ppbv	V0					
Methanol	0.5	17.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.60	ppbv	V0					
Methylcyclohexane	0.02	0.19	ppbv	V0					
Methylcyclopentane	0.05	0.18	ppbv	V0					
n-Butane	0.02	0.50	ppbv	V0					
n-Decane	0.06	0.10	ppbv	V0					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
Location: Conklin  
Start Date: 2021-08-26 00:00

Deployment Information  
Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-08-27 00:00

Set Index: 1  
WBEA ID: 210803304  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		708.5	mmHg		n-Heptane	0.04	0.07	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.04	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.05	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	0.09	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.17	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.04	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.06	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.4	ppbv	V0					
Acetone	0.40	2.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	0.11	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.70	ppbv	V0					
Isopentane	0.04	0.34	ppbv	V0					
Isoprene	0.02	0.37	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.15	ppbv	V0					
Methanol	0.5	13.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.40	ppbv	V0					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.28	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
Location: Ells River  
Start Date: 2021-08-26 00:00

### Deployment Information

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-08-27 00:00

Set Index: 1  
WBEA ID: 210803292  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.5	mmHg		n-Heptane	0.04	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.11	ppbv	V0	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.19	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.07	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	0.11	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	0.17	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	0.10	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.06	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.09	ppbv	V0					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.0	ppbv	V0					
Acetone	0.40	2.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.30	ppbv	V0					
Ethylbenzene	0.03	0.12	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.79	ppbv	V0					
Isopentane	0.04	0.52	ppbv	V0					
Isoprene	0.02	0.73	ppbv	V0					
Isopropylalcohol	0.30	0.70	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.18	ppbv	V0					
Methanol	0.5	17.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.50	ppbv	V0					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.64	ppbv	V0					
n-Decane	0.06	0.09	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
 Location: Fort McKay South  
 Start Date: 2021-08-26 00:00

### Deployment Information

Samp Use: Exposure  
 Loc ID: FMCS  
 End Date: 2021-08-27 00:00

Set Index: 1  
 WBEA ID: 210803295  
 Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.1	mmHg		n-Heptane	0.04	0.45	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.12	ppbv	V0	n-Hexane	0.03	0.79	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.06	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.41	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.45	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.13	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	0.17	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	0.17	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.57	ppbv	V0
2,3-Dimethylpentane	0.02	0.16	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.07	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.15	ppbv	V0					
2-Methylpentane	0.02	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.16	ppbv	V0					
3-Methylhexane	0.02	0.21	ppbv	V0					
3-Methylpentane	0.02	0.33	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.8	ppbv	V0					
Acetone	0.40	2.30	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.30	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.10	ppbv	V0					
Ethylbenzene	0.03	0.17	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.89	ppbv	V0					
Isopentane	0.04	0.65	ppbv	V0					
Isoprene	0.02	1.01	ppbv	V0					
Isopropylalcohol	0.30	1.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.33	ppbv	V0					
Methanol	0.5	19.2	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.60	ppbv	V0					
Methylcyclohexane	0.02	0.27	ppbv	V0					
Methylcyclopentane	0.05	0.33	ppbv	V0					
n-Butane	0.02	0.85	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
Location: Janvier  
Start Date: 2021-08-26 00:00

### Deployment Information

Samp Use: Exposure  
Loc ID: JANV  
End Date: 2021-08-27 00:00

Set Index: 1  
WBEA ID: 210803310  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		716.4	mmHg		n-Heptane	0.04	0.07	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.10	ppbv	V0	n-Hexane	0.03	1.60	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	0.10	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.05	ppbv	V0	Styrene	0.04	0.17	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.05	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	0.18	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.54	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.4	ppbv	V0					
Acetone	0.40	2.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.37	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.70	ppbv	V0					
Ethylbenzene	0.03	0.12	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.97	ppbv	V0					
Isopentane	0.04	0.33	ppbv	V0					
Isoprene	0.02	1.01	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.17	ppbv	V0					
Methanol	0.5	17.7	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.50	ppbv	V0					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	0.54	ppbv	V0					
n-Butane	0.02	0.38	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: **VOC Canister**  
Location: **Anzac**  
Start Date: **2021-09-01 00:00**

### Deployment Information

Samp Use: **Exposure**  
Loc ID: **ANZC**  
End Date: **2021-09-02 00:00**

Set Index: **1**  
WBEA ID: **210803317**  
Duration: **24.0 hr**

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		709.2	mmHg		n-Heptane	0.04	0.12	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.15	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.4	ppbv	V0					
Acetone	0.40	2.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.28	ppbv	V0					
Isopentane	0.04	0.28	ppbv	V0					
Isoprene	0.02	0.29	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	16.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.13	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information			Deployment Information			
Sample Type:	VOC Canister		Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley		Loc ID:	ATHV	WBEA ID:	210803336
Start Date:	2021-09-01 00:00		End Date:	2021-09-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.6	mmHg		n-Heptane	0.04	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.41	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.43	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.13	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.31	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.12	ppbv	V0					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.14	ppbv	V0					
3-Methylpentane	0.02	0.18	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.1	ppbv	V0					
Acetone	0.40	7.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.76	ppbv	V0					
Isopentane	0.04	0.52	ppbv	V0					
Isoprene	0.02	0.30	ppbv	V0					
Isopropylalcohol	0.30	1.20	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	63.3	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.19	ppbv	V0					
n-Butane	0.02	0.45	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 210803335
Start Date:	2021-08-27 11:50	End Date:	2021-08-27 11:51	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.20	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.05	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: VOC Canister  
 Location: Barge Landing  
 Start Date: 2021-09-01 02:15

Samp Use: Exposure  
 Loc ID: BARG  
 End Date: 2021-09-02 00:00

Set Index: 1  
 WBEA ID: 210803374  
 Duration: 21.8 hr

### Notes

Delayed sample start due to power outage.

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		695.9	mmHg		n-Heptane	0.04	0.12	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.53	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.12	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	10.6	ppbv	V0					
Acetone	0.40	2.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.64	ppbv	V0					
Isopentane	0.04	0.47	ppbv	V0					
Isoprene	0.02	0.30	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	18.1	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.03	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803356
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.0	mmHg		n-Heptane	0.04	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.17	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.0	ppbv	V0					
Acetone	0.40	2.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.76	ppbv	V0					
Isopentane	0.04	0.29	ppbv	V0					
Isoprene	0.02	0.32	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	11.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.11	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803380
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		702.0	mmHg		n-Heptane	0.04	0.15	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.64	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.42	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.26	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.20	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.64	ppbv	V0
2,3-Dimethylpentane	0.02	0.23	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.13	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.11	ppbv	V0	trans-2-Pentene	0.02	0.10	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.13	ppbv	V0					
3-Methylpentane	0.02	0.26	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	14.8	ppbv	V0					
Acetone	0.40	3.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.18	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.24	ppbv	V0					
Cyclopentane	0.02	0.13	ppbv	V0					
Cyclopentene	0.02	0.09	ppbv	V0					
Ethanol	0.50	6.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	2.29	ppbv	V0					
Isopentane	0.04	1.70	ppbv	V0					
Isoprene	0.02	0.30	ppbv	V0					
Isopropylalcohol	0.30	3.10	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.42	ppbv	V0					
Methanol	0.5	49.9	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.09	ppbv	V0					
Methylcyclopentane	0.05	0.28	ppbv	V0					
n-Butane	0.02	2.58	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: **VOC Canister**  
 Location: **Ells River**  
 Start Date: **2021-09-01 00:00**

### Deployment Information

Samp Use: **Exposure**  
 Loc ID: **ELSR**  
 End Date: **2021-09-02 00:00**

Set Index: **1**  
 WBEA ID: **210803350**  
 Duration: **24.0 hr**

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.0	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	6.02	ppbv	V4
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.31	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.14	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.12	ppbv	V0	Toluene	0.03	0.64	ppbv	V0
2,3-Dimethylpentane	0.02	0.14	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.20	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	0.07	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.53	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	1.46	ppbv	V4					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.2	ppbv	V0					
Acetone	0.40	1.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	1.15	ppbv	V4					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.10	ppbv	V0					
Isopentane	0.04	0.66	ppbv	V0					
Isoprene	0.02	0.24	ppbv	V0					
Isopropylalcohol	0.30	1.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.30	ppbv	V0					
Methanol	0.5	15.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	1.90	ppbv	V4					
n-Butane	0.02	0.94	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID: 210803347
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		728.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.26	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.2	ppbv	V0					
Acetone	0.40	2.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.95	ppbv	V0					
Isopentane	0.04	0.27	ppbv	V0					
Isoprene	0.02	0.44	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	14.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.05	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210803388
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		709.6	mmHg		n-Heptane	0.04	0.12	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.13	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.2	ppbv	V0					
Acetone	0.40	2.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.25	ppbv	V0					
Isopentane	0.04	0.23	ppbv	V0					
Isoprene	0.02	0.66	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	14.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.15	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210803344
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		719.1	mmHg		n-Heptane	0.04	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.54	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.16	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.46	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.33	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	0.06	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.14	ppbv	V0					
3-Methylpentane	0.02	0.22	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	9.5	ppbv	V0					
Acetone	0.40	3.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.23	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.46	ppbv	V0					
Isopentane	0.04	0.67	ppbv	V0					
Isoprene	0.02	0.24	ppbv	V0					
Isopropylalcohol	0.30	0.80	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	16.4	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.23	ppbv	V0					
n-Butane	0.02	0.61	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903446
Start Date:	2021-09-03 11:25	End Date:	2021-09-03 11:26	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.04	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	0.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information			Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210903396
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.09	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	9.5	ppbv	V0					
Acetone	0.40	2.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.45	ppbv	V0					
Isopentane	0.04	0.21	ppbv	V0					
Isoprene	0.02	0.55	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	15.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
 Location: Bertha Ganter - Fort McKay  
 Start Date: 2021-09-07 00:00

### Deployment Information

Samp Use: Exposure  
 Loc ID: BGFM  
 End Date: 2021-09-08 00:00

Set Index: 1  
 WBEA ID: 210903424  
 Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.24	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.23	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.20	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.23	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.43	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.31	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.3	ppbv	V0					
Acetone	0.40	2.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.21	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.64	ppbv	V0					
Isopentane	0.04	1.22	ppbv	V0					
Isoprene	0.02	0.89	ppbv	V0					
Isopropylalcohol	0.30	0.80	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.25	ppbv	V0					
Methanol	0.5	16.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	0.71	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
Location: Conklin  
Start Date: 2021-09-07 00:00

Deployment Information  
Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-09-08 00:00

Set Index: 1  
WBEA ID: 210903443  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		710.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.3	ppbv	V0					
Acetone	0.40	2.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.64	ppbv	V0					
Isopentane	0.04	0.22	ppbv	V0					
Isoprene	0.02	0.63	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	12.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.14	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
 Location: Ells River  
 Start Date: 2021-09-07 00:00

Deployment Information  
 Samp Use: Exposure  
 Loc ID: ELSR  
 End Date: 2021-09-08 00:00

Set Index: 1  
 WBEA ID: 210903399  
 Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.25	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.95	ppbv	V4
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.29	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.20	ppbv	V0	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.68	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.45	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.0	ppbv	V0					
Acetone	0.40	2.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.29	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.76	ppbv	V0					
Isopentane	0.04	1.26	ppbv	V0					
Isoprene	0.02	0.74	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	13.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: <b>VOC Canister</b>		Deployment Information		Set Index: <b>1</b>
Location: <b>Fort McKay South</b>		Samp Use: <b>Exposure</b>	Loc ID: <b>FMCS</b>	WBEA ID: <b>210903402</b>
Start Date: <b>2021-09-07 00:00</b>		End Date: <b>2021-09-08 00:00</b>		Duration: <b>24.0 hr</b>

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.49	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.12	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.16	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.0	ppbv	V0					
Acetone	0.40	2.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.75	ppbv	V0					
Isopentane	0.04	0.43	ppbv	V0					
Isoprene	0.02	1.20	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	18.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903447
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		716.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.10	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.25	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.4	ppbv	V0					
Acetone	0.40	2.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.41	ppbv	V0					
Isopentane	0.04	0.25	ppbv	V0					
Isoprene	0.02	0.53	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	8.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.40	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.25	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type: <b>VOC Canister</b>	Deployment Information	Set Index: <b>1</b>
Location: <b>Athabasca Valley</b>	Samp Use: <b>Exposure</b>	WBEA ID: <b>210903461</b>
Start Date: <b>2021-09-07 00:00</b>	Loc ID: <b>ATHV</b>	Duration: <b>24.0 hr</b>
	End Date: <b>2021-09-08 00:00</b>	

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### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.18	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.10	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.23	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.4	ppbv	V0					
Acetone	0.40	4.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.94	ppbv	V0					
Isopentane	0.04	0.43	ppbv	V0					
Isoprene	0.02	0.57	ppbv	V0					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	41.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.50	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	0.33	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: **VOC Canister**  
 Location: **Athabasca Valley**  
 Start Date: **2021-09-13 00:00**

### Deployment Information

Samp Use: **Exposure**  
 Loc ID: **ATHV**  
 End Date: **2021-09-14 00:00**

Set Index: **1**  
 WBEA ID: **210903538**  
 Duration: **24.0 hr**

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.17	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.26	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.4	ppbv	V0					
Acetone	0.40	3.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.12	ppbv	V0					
Isopentane	0.04	0.31	ppbv	V0					
Isoprene	0.02	0.22	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	47.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.40	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.24	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister	<b>Deployment Information</b>	Set Index: 1
Location: Barge Landing	Samp Use: Exposure	WBEA ID: 210903498
Start Date: 2021-09-13 00:00	Loc ID: BARG	Duration: 24.0 hr
	End Date: 2021-09-14 00:00	

### Notes

Sample line to canister leaked a small amount upon deployment of canister. Fixed leak and redeployed canister.

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.15	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.2	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.56	ppbv	V0					
Isopentane	0.04	0.34	ppbv	V0					
Isoprene	0.02	0.29	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	8.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.30	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.28	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 210903514
Start Date:	2021-09-13 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2021-09-14 00:00	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.8	ppbv	V0					
Acetone	0.40	2.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.84	ppbv	V0					
Isopentane	0.04	0.22	ppbv	V0					
Isoprene	0.02	0.38	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	7.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: **VOC Canister**  
 Location: **Conklin**  
 Start Date: **2021-09-08 14:00**

### Deployment Information

Samp Use: **Field Procedure Blank**  
 Loc ID: **CONK**  
 End Date: **2021-09-08 14:01**

Set Index: **1**  
 WBEA ID: **210903495**  
 Duration: **0.0 hr**

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.04	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: **VOC Canister**  
 Location: **Ells River**  
 Start Date: **2021-09-13 00:00**

### Deployment Information

Samp Use: **Exposure**  
 Loc ID: **ELSR**  
 End Date: **2021-09-14 00:00**

Set Index: **1**  
 WBEA ID: **210903517**  
 Duration: **24.0 hr**

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		728.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.20	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.0	ppbv	V0					
Acetone	0.40	2.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.34	ppbv	V0					
Isopentane	0.04	0.20	ppbv	V0					
Isoprene	0.02	0.36	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	7.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.14	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
 Location: Fort McKay South  
 Start Date: 2021-09-13 00:00

### Deployment Information

Samp Use: Exposure  
 Loc ID: FMCS  
 End Date: 2021-09-14 00:00

Set Index: 1  
 WBEA ID: 210903520  
 Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.13	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.20	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.1	ppbv	V0					
Acetone	0.40	1.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.90	ppbv	V0					
Isopentane	0.04	0.17	ppbv	V0					
Isoprene	0.02	0.44	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	9.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.07	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
 Location: Janvier  
 Start Date: 2021-09-07 00:00

### Deployment Information

Samp Use: Exposure  
 Loc ID: JANV  
 End Date: 2021-09-08 00:00

Set Index: 1  
 WBEA ID: 210903453  
 Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		718.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.5	ppbv	V0					
Acetone	0.40	3.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.61	ppbv	V0					
Isopentane	0.04	0.21	ppbv	V0					
Isoprene	0.02	1.02	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	9.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.40	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.13	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210903473
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.21	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.26	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.7	ppbv	V0					
Acetone	0.40	2.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.18	ppbv	V0					
Isopentane	0.04	0.50	ppbv	V0					
Isoprene	0.02	0.58	ppbv	V0					
Isopropylalcohol	0.30	0.70	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	18.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.40	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	0.57	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 210903521
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		711.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.0	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.16	ppbv	V0					
Isopentane	0.04	0.14	ppbv	V0					
Isoprene	0.02	0.16	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.08	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903496
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		706.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.12	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.0	ppbv	V0					
Acetone	0.40	0.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.16	ppbv	V0					
Isopentane	0.04	0.11	ppbv	V0					
Isoprene	0.02	0.18	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.06	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903482
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		713.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.12	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.7	ppbv	V0					
Acetone	0.40	0.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.28	ppbv	V0					
Isopentane	0.04	0.19	ppbv	V0					
Isoprene	0.02	0.22	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210903547
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		722.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.1	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.17	ppbv	V0					
Isopentane	0.04	0.11	ppbv	V0					
Isoprene	0.02	0.15	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.05	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	210903548
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		8.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		725.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.15	ppbv	V0
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.29	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.12	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.14	ppbv	V0	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.2	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.60	ppbv	V0					
Isopentane	0.04	0.57	ppbv	V0					
Isoprene	0.02	0.20	ppbv	V0					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	9.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.54	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 210903571	
Start Date: 2021-09-19 00:00	End Date: 2021-09-20 00:00	Duration: 24.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		8.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		725.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.15	ppbv	V0
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.15	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.6	ppbv	V0					
Acetone	0.40	1.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.48	ppbv	V0					
Isopentane	0.04	0.29	ppbv	V0					
Isoprene	0.02	0.19	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	7.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.30	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903583
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		7.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		701.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.13	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	0.13	ppbv	V0					
Acetaldehyde	0.5	3.6	ppbv	V0					
Acetone	0.40	1.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.18	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.49	ppbv	V0					
Isopentane	0.04	0.18	ppbv	V0					
Isoprene	0.02	0.18	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	7.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.46	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210903551
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		8.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		723.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.8	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.18	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.52	ppbv	V0					
Isopentane	0.04	0.14	ppbv	V0					
Isoprene	0.02	0.17	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.16	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210903556
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		8.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.21	ppbv	V0	n-Hexane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.16	ppbv	V0
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.39	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.20	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.17	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	0.23	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.13	ppbv	V0	Toluene	0.03	0.43	ppbv	V0
2,3-Dimethylpentane	0.02	0.21	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.10	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.15	ppbv	V0					
2-Methylpentane	0.02	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.17	ppbv	V0					
3-Methylpentane	0.02	0.16	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.9	ppbv	V0					
Acetone	0.40	2.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	7.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.10	ppbv	V0					
Isopentane	0.04	1.46	ppbv	V0					
Isoprene	0.02	0.25	ppbv	V0					
Isopropylalcohol	0.30	2.10	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.44	ppbv	V0					
Methanol	0.5	20.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.15	ppbv	V0					
n-Butane	0.02	1.93	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903604
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		7.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		708.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.09	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.3	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.18	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.44	ppbv	V0					
Isopentane	0.04	0.14	ppbv	V0					
Isoprene	0.02	0.22	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	6.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.31	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 210903603
Start Date:	2021-09-15 13:20	End Date:	2021-09-15 13:21	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.6	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
Location: Anzac  
Start Date: 2021-09-19 00:00

### Deployment Information

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-09-20 00:00

Set Index: 1  
WBEA ID: 210903597  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		8.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		706.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.15	ppbv	V0
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.19	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.7	ppbv	V0					
Acetone	0.40	2.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.51	ppbv	V0					
Isopentane	0.04	0.27	ppbv	V0					
Isoprene	0.02	0.15	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	7.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.33	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
 Location: Athabasca Valley  
 Start Date: 2021-09-19 00:00

### Deployment Information

Samp Use: Exposure  
 Loc ID: ATHV  
 End Date: 2021-09-20 00:00

Set Index: 1  
 WBEA ID: 210903582  
 Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		9.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.27	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.16	ppbv	V0
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.30	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.14	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.08	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.12	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.14	ppbv	V0					
3-Methylpentane	0.02	0.20	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.3	ppbv	V0					
Acetone	0.40	2.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.24	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.16	ppbv	V0					
Isopentane	0.04	0.81	ppbv	V0					
Isoprene	0.02	0.15	ppbv	V0					
Isopropylalcohol	0.30	1.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	50.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.17	ppbv	V0					
n-Butane	0.02	0.76	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210903617
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		7.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		717.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.19	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.9	ppbv	V0					
Acetone	0.40	2.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.54	ppbv	V0					
Isopentane	0.04	0.30	ppbv	V0					
Isoprene	0.02	0.13	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	6.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.29	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: **VOC Canister**  
 Location: **Anzac**  
 Start Date: **2021-09-25 00:00**

### Deployment Information

Samp Use: **Exposure**  
 Loc ID: **ANZC**  
 End Date: **2021-09-26 00:00**

Set Index: **1**  
 WBEA ID: **210903682**  
 Duration: **24.0 hr**

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		707.5	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.17	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.4	ppbv	V0					
Acetone	0.40	3.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.50	ppbv	V0					
Ethylbenzene	0.03	0.16	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.82	ppbv	V0					
Isopentane	0.04	0.33	ppbv	V0					
Isoprene	0.02	0.20	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	12.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.33	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Field Procedure Blank	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 210903634	
Start Date: 2021-09-22 10:21	End Date: 2021-09-22 10:22	Duration: 0.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.6	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.05	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	0.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903625
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		702.6	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.13	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.2	ppbv	V0					
Acetone	0.40	2.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.39	ppbv	V0					
Isopentane	0.04	0.20	ppbv	V0					
Isoprene	0.02	0.19	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	12.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.21	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Set Index: 1
Location:	Janvier	Samp Use: Exposure	WBEA ID: 210903632
Start Date:	2021-09-25 00:00	Loc ID: JANV	Duration: 24.0 hr
		End Date: 2021-09-26 00:00	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		709.2	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.15	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.07	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	0.10	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.8	ppbv	V0					
Acetone	0.40	2.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.40	ppbv	V0					
Ethylbenzene	0.03	0.16	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.73	ppbv	V0					
Isopentane	0.04	0.26	ppbv	V0					
Isoprene	0.02	0.28	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	13.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.25	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
 Location: Athabasca Valley  
 Start Date: 2021-09-25 00:00

### Deployment Information

Samp Use: Exposure  
 Loc ID: ATHV  
 End Date: 2021-09-26 00:00

Set Index: 1  
 WBEA ID: 210903673  
 Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		728.2	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.11	ppbv	V0	n-Pentane	0.04	0.29	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.13	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.16	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	0.10	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.09	ppbv	V0	trans-2-Pentene	0.02	0.09	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.3	ppbv	V0					
Acetone	0.40	4.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.04	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.00	ppbv	V0					
Ethylbenzene	0.03	0.17	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.93	ppbv	V0					
Isopentane	0.04	0.61	ppbv	V0					
Isoprene	0.02	0.19	ppbv	V0					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	44.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	1.09	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
 Location: Barge Landing  
 Start Date: 2021-09-25 00:00

Deployment Information  
 Samp Use: Exposure  
 Loc ID: BARG  
 End Date: 2021-09-26 00:00

Set Index: 1  
 WBEA ID: 210903663  
 Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.4	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.24	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.07	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	0.16	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	0.10	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.2	ppbv	V0					
Acetone	0.40	2.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.40	ppbv	V0					
Ethylbenzene	0.03	0.16	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.79	ppbv	V0					
Isopentane	0.04	0.36	ppbv	V0					
Isoprene	0.02	0.21	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	9.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.27	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903635
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.1	mmHg		n-Heptane	0.04	0.22	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	1.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.24	ppbv	V0	n-Pentane	0.04	0.79	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.40	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.14	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.15	ppbv	V0	o-Xylene	0.03	0.20	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.10	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.17	ppbv	V0	Toluene	0.03	0.50	ppbv	V0
2,3-Dimethylpentane	0.02	0.21	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.12	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.12	ppbv	V0	trans-2-Pentene	0.02	0.10	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.16	ppbv	V0					
2-Methylpentane	0.02	0.36	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.10	ppbv	V0					
3-Methylhexane	0.02	0.17	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.2	ppbv	V0					
Acetone	0.40	7.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.04	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.08	ppbv	V0					
Cyclohexane	0.04	0.31	ppbv	V0					
Cyclopentane	0.02	0.15	ppbv	V0					
Cyclopentene	0.02	0.09	ppbv	V0					
Ethanol	0.50	9.90	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.92	ppbv	V0					
Isopentane	0.04	2.30	ppbv	V0					
Isoprene	0.02	0.23	ppbv	V0					
Isopropylalcohol	0.30	5.10	ppbv	V4					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.39	ppbv	V0					
Methanol	0.5	17.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.42	ppbv	V0					
n-Butane	0.02	2.02	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

			Deployment Information					
Sample Type:	VOC Canister		Samp Use:	Exposure		Set Index:	1	
Location:	Ells River		Loc ID:	ELSR		WBEA ID:	210903655	
Start Date:	2021-09-25 00:00		End Date:	2021-09-26 00:00		Duration:	24.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		724.1	mmHg		n-Heptane	0.04	0.15	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.25	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.24	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.18	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	0.16	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.08	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.09	ppbv	V0					
3-Methylpentane	0.02	0.17	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.6	ppbv	V0					
Acetone	0.40	3.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.18	ppbv	V0					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.20	ppbv	V0					
Ethylbenzene	0.03	0.17	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.70	ppbv	V0					
Isopentane	0.04	0.78	ppbv	V0					
Isoprene	0.02	0.23	ppbv	V0					
Isopropylalcohol	0.30	1.70	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	10.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	0.68	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: **VOC Canister**  
 Location: **Fort McKay South**  
 Start Date: **2021-09-25 00:00**

### Deployment Information

Samp Use: **Exposure**  
 Loc ID: **FMCS**  
 End Date: **2021-09-26 00:00**

Set Index: **1**  
 WBEA ID: **210903660**  
 Duration: **24.0 hr**

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.4	mmHg		n-Heptane	0.04	0.16	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.45	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.07	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.14	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.14	ppbv	V0	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.15	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.09	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.8	ppbv	V0					
Acetone	0.40	2.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.18	ppbv	V0					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.50	ppbv	V0					
Ethylbenzene	0.03	0.16	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.73	ppbv	V0					
Isopentane	0.04	0.49	ppbv	V0					
Isoprene	0.02	0.33	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	12.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.20	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information		Set Index:	1
Location:	Patricia McInnes	Samp Use:	Exposure	WBEA ID:	210903691
Start Date:	2021-09-25 00:00	Loc ID:	PATM	Duration:	24.0 hr
		End Date:	2021-09-26 00:00		

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		718.2	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.19	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.12	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.7	ppbv	V0					
Acetone	0.40	3.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.50	ppbv	V0					
Ethylbenzene	0.03	0.16	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.98	ppbv	V0					
Isopentane	0.04	0.46	ppbv	V0					
Isoprene	0.02	0.15	ppbv	V0					
Isopropylalcohol	0.30	0.80	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	12.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.46	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: <b>VOC Canister</b>		Deployment Information		Set Index: <b>1</b>
Location: <b>Anzac</b>		Samp Use: <b>Exposure</b>	Loc ID: <b>ANZC</b>	WBEA ID: <b>210903713</b>
Start Date: <b>2021-10-01 00:00</b>		End Date: <b>2021-10-02 00:00</b>		Duration: <b>24.0 hr</b>

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		716.6	mmHg		n-Heptane	0.04	0.15	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.32	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.35	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.14	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.13	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.17	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.09	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.29	ppbv	V0
2,3-Dimethylpentane	0.02	0.13	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.09	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.09	ppbv	V0					
3-Methylhexane	0.02	0.09	ppbv	V0					
3-Methylpentane	0.02	0.20	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.1	ppbv	V0					
Acetone	0.40	2.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.70	ppbv	V0					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.51	ppbv	V0					
Isopentane	0.04	0.88	ppbv	V0					
Isoprene	0.02	0.12	ppbv	V0					
Isopropylalcohol	0.30	1.10	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.30	ppbv	V0					
Methanol	0.5	10.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.18	ppbv	V0					
n-Butane	0.02	0.99	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
 Location: Athabasca Valley  
 Start Date: 2021-10-01 00:00

### Deployment Information

Samp Use: Exposure  
 Loc ID: ATHV  
 End Date: 2021-10-02 00:00

Set Index: 1  
 WBEA ID: 210903719  
 Duration: 24.0 hr

### Notes

Short sampling duration caused by power outage.(80388 / 86400)

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.1	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.19	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.6	ppbv	V0					
Acetone	0.40	1.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.70	ppbv	V0					
Ethylbenzene	0.03	0.16	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.58	ppbv	V0					
Isopentane	0.04	0.29	ppbv	V0					
Isoprene	0.02	0.09	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	37.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.32	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210903730
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.2	mmHg		n-Heptane	0.04	0.15	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.16	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	0.10	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.6	ppbv	V0					
Acetone	0.40	2.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.60	ppbv	V0					
Ethylbenzene	0.03	0.17	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.97	ppbv	V0					
Isopentane	0.04	0.41	ppbv	V0					
Isoprene	0.02	0.12	ppbv	V0					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.25	ppbv	V0					
Methanol	0.5	12.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.63	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: VOC Canister  
 Location: Patricia McInnes  
 Start Date: 2021-09-28 11:55

Samp Use: Field Procedure Blank  
 Loc ID: PATM  
 End Date: 2021-09-28 11:56

Set Index: 1  
 WBEA ID: 210903729  
 Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.09	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.07	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.09	ppbv	V0					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.0	ppbv	V0					
Acetone	0.40	0.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.11	ppbv	V0					
Isopentane	0.04	0.16	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: **VOC Canister**  
 Location: **Barge Landing**  
 Start Date: **2021-10-01 00:00**

### Deployment Information

Samp Use: **Exposure**  
 Loc ID: **BARG**  
 End Date: **2021-10-02 00:00**

Set Index: **1**  
 WBEA ID: **210903731**  
 Duration: **24.0 hr**

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.26	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.4	ppbv	V0					
Acetone	0.40	0.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.19	ppbv	V0					
Isopentane	0.04	0.23	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	6.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.26	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903780	
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.15	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.5	ppbv	V0					
Acetone	0.40	0.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.21	ppbv	V0					
Isopentane	0.04	0.18	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.24	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: **VOC Canister**  
Location: **Conklin**  
Start Date: **2021-10-01 00:00**

Deployment Information  
Samp Use: **Exposure**  
Loc ID: **CONK**  
End Date: **2021-10-02 00:00**

Set Index: **1**  
WBEA ID: **210903699**  
Duration: **24.0 hr**

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		711.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.26	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.4	ppbv	V0					
Acetone	0.40	0.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.19	ppbv	V0					
Isopentane	0.04	0.19	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	7.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.23	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	VOC Canister	Deployment Information	Set Index: 1
Location:	Ells River	Samp Use: Exposure	WBEA ID: 210903783
Start Date:	2021-10-01 00:00	Loc ID: ELSR	Duration: 24.0 hr
		End Date: 2021-10-02 00:00	

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### Notes

None

### Data

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Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.17	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.5	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.22	ppbv	V0					
Isopentane	0.04	0.20	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.24	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<p>Sample Type: <b>VOC Canister</b>          Location: <b>Fort McKay South</b>          Start Date: <b>2021-10-01 00:00</b></p>	<p><b>Deployment Information</b></p> <p>Samp Use: <b>Exposure</b>          Loc ID: <b>FMCS</b>          End Date: <b>2021-10-02 00:00</b></p>	<p>Set Index: <b>1</b>          WBEA ID: <b>210903786</b>          Duration: <b>24.0 hr</b></p>
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### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.17	ppbv	V0					
Isopentane	0.04	0.18	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.24	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903706
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		718.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.24	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.6	ppbv	V0					
Acetone	0.40	0.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.24	ppbv	V0					
Isopentane	0.04	0.23	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	6.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.26	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 211003812
Start Date:	2021-10-04 13:30	End Date:	2021-10-04 13:31	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.6	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.11	ppbv	V0					
Isopentane	0.04	0.05	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: VOC Canister  
Location: Barge Landing  
Start Date: 2021-10-07 00:00

Samp Use: Exposure  
Loc ID: BARG  
End Date: 2021-10-08 00:00

Set Index: 1  
WBEA ID: 211003884  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.19	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.3	ppbv	V0					
Acetone	0.40	1.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.46	ppbv	V0					
Isopentane	0.04	0.30	ppbv	V0					
Isoprene	0.02	0.11	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	8.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.33	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 211003904
Start Date:	2021-10-07 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2021-10-08 00:00	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.13	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.18	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.1	ppbv	V0					
Acetone	0.40	1.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.44	ppbv	V0					
Isopentane	0.04	0.28	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	6.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.35	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: <b>VOC Canister</b> Location: <b>Conklin</b> Start Date: <b>2021-10-07 00:00</b>	<b>Deployment Information</b> Samp Use: <b>Exposure</b> Loc ID: <b>CONK</b> End Date: <b>2021-10-08 00:00</b>	Set Index: <b>1</b> WBEA ID: <b>211003874</b> Duration: <b>24.0 hr</b>
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### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		708.8	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.27	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	0.14	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.9	ppbv	V0					
Acetone	0.40	2.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.59	ppbv	V0					
Isopentane	0.04	0.47	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	7.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.65	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
Location: Ells River  
Start Date: 2021-10-07 00:00

### Deployment Information

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-10-08 00:00

Set Index: 1  
WBEA ID: 211003887  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		4.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.17	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.2	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.45	ppbv	V0					
Isopentane	0.04	0.23	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	6.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.26	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Set Index: 1
Location:	Fort McKay South	Samp Use: Exposure	WBEA ID: 211003890
Start Date:	2021-10-07 00:00	Loc ID: FMCS	Duration: 24.0 hr
		End Date: 2021-10-08 00:00	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		4.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.19	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.0	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.17	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.43	ppbv	V0					
Isopentane	0.04	0.33	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.37	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
Location: Janvier  
Start Date: 2021-10-07 00:00

### Deployment Information

Samp Use: Exposure  
Loc ID: JANV  
End Date: 2021-10-08 00:00

Set Index: 1  
WBEA ID: 211003881  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		715.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.27	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.6	ppbv	V0					
Acetone	0.40	2.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.63	ppbv	V0					
Isopentane	0.04	0.39	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	8.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.60	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211003798
Start Date:	2021-10-07 00:00	End Date:	2021-10-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		4.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		713.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.24	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.07	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.2	ppbv	V0					
Acetone	0.40	2.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.58	ppbv	V0					
Isopentane	0.04	0.41	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	11.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.61	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211003813
Start Date:	2021-10-07 00:00	End Date:	2021-10-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		6.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.25	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.1	ppbv	V0					
Acetone	0.40	3.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.82	ppbv	V0					
Isopentane	0.04	0.45	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	35.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.76	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: VOC Canister  
 Location: Patricia McInnes  
 Start Date: 2021-10-07 00:00

Samp Use: Exposure  
 Loc ID: PATM  
 End Date: 2021-10-08 00:00

Set Index: 1  
 WBEA ID: 211003819  
 Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		4.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		724.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.24	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.07	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.5	ppbv	V0					
Acetone	0.40	2.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.62	ppbv	V0					
Isopentane	0.04	0.43	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	13.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.66	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: VOC Canister  
 Location: Barge Landing  
 Start Date: 2021-10-13 00:00

Samp Use: Exposure  
 Loc ID: BARG  
 End Date: 2021-10-14 00:00

Set Index: 1  
 WBEA ID: 211003913  
 Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.2	mmHg		n-Heptane	0.04	0.47	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.42	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.15	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.26	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.26	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.28	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.16	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.12	ppbv	V0					
3-Methylhexane	0.02	0.21	ppbv	V0					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.6	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.53	ppbv	V0					
Isopentane	0.04	0.38	ppbv	V0					
Isoprene	0.02	0.09	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.30	ppbv	V0					
Methanol	0.5	7.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.22	ppbv	V0					
Methylcyclopentane	0.05	0.23	ppbv	V0					
n-Butane	0.02	0.63	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211003938
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.8	mmHg		n-Heptane	0.04	0.22	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.11	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.15	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.30	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	0.14	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.04	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.3	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.18	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.64	ppbv	V0					
Isopentane	0.04	0.45	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.22	ppbv	V0					
Methanol	0.5	7.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	0.68	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
Location: Ells River  
Start Date: 2021-10-13 00:00

### Deployment Information

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-10-14 00:00

Set Index: 1  
WBEA ID: 211003920  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		728.2	mmHg		n-Heptane	0.04	0.26	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.12	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.18	ppbv	V0
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.26	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.20	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.3	ppbv	V0					
Acetone	0.40	1.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.50	ppbv	V0					
Isopentane	0.04	0.38	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	7.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.15	ppbv	V0					
Methylcyclopentane	0.05	0.14	ppbv	V0					
n-Butane	0.02	0.44	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

	Deployment Information	
Sample Type: VOC Canister	Samp Use: Exposure	Set Index: 1
Location: Fort McKay South	Loc ID: FMCS	WBEA ID: 211003925
Start Date: 2021-10-13 00:00	End Date: 2021-10-14 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		4.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.3	mmHg		n-Heptane	0.04	0.29	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.25	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.14	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.22	ppbv	V0
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.25	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	0.17	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.11	ppbv	V0					
3-Methylhexane	0.02	0.14	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.2	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.48	ppbv	V0					
Isopentane	0.04	0.35	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.27	ppbv	V0					
Methanol	0.5	6.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.19	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
n-Butane	0.02	0.43	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: VOC Canister  
 Location: Anzac  
 Start Date: 2021-10-13 00:00

Samp Use: Exposure  
 Loc ID: ANZC  
 End Date: 2021-10-14 00:00

Set Index: 1  
 WBEA ID: 211003947  
 Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		4.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		711.9	mmHg		n-Heptane	0.04	0.20	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.28	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.48	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.10	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	0.16	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.91	ppbv	V0
2,3-Dimethylpentane	0.02	0.10	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.09	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.12	ppbv	V0					
2-Methylpentane	0.02	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.13	ppbv	V0					
3-Methylpentane	0.02	0.19	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.8	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.58	ppbv	V0					
Isopentane	0.04	0.77	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.80	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.27	ppbv	V0					
Methanol	0.5	7.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.20	ppbv	V0					
n-Butane	0.02	0.96	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211003953
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		6.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.2	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.23	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.09	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.47	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.12	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	0.14	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.29	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.8	ppbv	V0					
Acetone	0.40	2.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.17	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.88	ppbv	V0					
Isopentane	0.04	0.73	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.22	ppbv	V0					
Methanol	0.5	30.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
n-Butane	0.02	1.20	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Set Index: 1
Location:	Patricia McInnes	Samp Use: Exposure	WBEA ID: 211003958
Start Date:	2021-10-13 00:00	Loc ID: PATM	Duration: 24.0 hr
		End Date: 2021-10-14 00:00	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		723.4	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.09	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.32	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.14	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.2	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.64	ppbv	V0					
Isopentane	0.04	0.53	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	12.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.80	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 211004081
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-0.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		722.3	mmHg		n-Heptane	0.04	0.27	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.51	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	1.22	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.22	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.14	ppbv	V0	Toluene	0.03	3.43	ppbv	V4
2,3-Dimethylpentane	0.02	0.28	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.15	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.14	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.25	ppbv	V0					
2-Methylpentane	0.02	0.26	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.27	ppbv	V0					
3-Methylpentane	0.02	0.31	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.1	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.25	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.19	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	19.70	ppbv	V4					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.96	ppbv	V0					
Isopentane	0.04	2.12	ppbv	V0					
Isoprene	0.02	0.12	ppbv	V0					
Isopropylalcohol	0.30	2.30	ppbv	V4					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.49	ppbv	V0					
Methanol	0.5	50.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.16	ppbv	V0					
Methylcyclopentane	0.05	0.30	ppbv	V0					
n-Butane	0.02	2.58	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 211003946
Start Date:	2021-10-12 11:50	End Date:	2021-10-12 11:51	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.23	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.12	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.4	ppbv	V0					
Acetone	0.40	0.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.34	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.16	ppbv	V0					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	0.17	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **VOC Canister**  
 Location: **Athabasca Valley**  
 Start Date: **2021-10-19 00:00**

Samp Use: **Exposure**  
 Loc ID: **ATHV**  
 End Date: **2021-10-20 00:00**

Set Index: **1**  
 WBEA ID: **211004068**  
 Duration: **24.0 hr**

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		1.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		744.4	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.32	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.10	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.22	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.13	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.3	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.18	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.82	ppbv	V0					
Isopentane	0.04	0.61	ppbv	V0					
Isoprene	0.02	0.12	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	22.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	1.64	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: **VOC Canister**  
Location: **Barge Landing**  
Start Date: **2021-10-19 00:00**

### Deployment Information

Samp Use: **Exposure**  
Loc ID: **BARG**  
End Date: **2021-10-20 00:00**

Set Index: **1**  
WBEA ID: **211004028**  
Duration: **24.0 hr**

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		0.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		742.5	mmHg		n-Heptane	0.04	0.36	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.36	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.11	ppbv	V0	n-Pentane	0.04	0.34	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.12	ppbv	V0	Toluene	0.03	0.63	ppbv	V0
2,3-Dimethylpentane	0.02	0.15	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.09	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.10	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.17	ppbv	V0					
2-Methylpentane	0.02	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.21	ppbv	V0					
3-Methylpentane	0.02	0.18	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.7	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.18	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.39	ppbv	V0					
Isopentane	0.04	0.54	ppbv	V0					
Isoprene	0.02	0.13	ppbv	V0					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	9.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.17	ppbv	V0					
Methylcyclopentane	0.05	0.21	ppbv	V0					
n-Butane	0.02	0.59	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<p>Sample Type: <b>VOC Canister</b>  Location: <b>Conklin</b>  Start Date: <b>2021-10-13 00:00</b></p>	<p style="text-align: center;"><b>Deployment Information</b></p> <p>Samp Use: <b>Exposure</b>  Loc ID: <b>CONK</b>  End Date: <b>2021-10-14 00:00</b></p>	<p>Set Index: <b>1</b>  WBEA ID: <b>211003908</b>  Duration: <b>24.0 hr</b></p>
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### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		706.7	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.29	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.09	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.6	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.37	ppbv	V0					
Isopentane	0.04	0.38	ppbv	V0					
Isoprene	0.02	0.11	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	4.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	0.44	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: <b>VOC Canister</b>	Deployment Information	Samp Use: <b>Exposure</b>	Set Index: <b>1</b>
Location: <b>Ells River</b>	Loc ID: <b>ELSR</b>	WBEA ID: <b>211004034</b>	
Start Date: <b>2021-10-19 00:00</b>	End Date: <b>2021-10-20 00:00</b>	Duration: <b>24.0 hr</b>	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-0.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.4	mmHg		n-Heptane	0.04	0.23	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.23	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.26	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.09	ppbv	V0	Toluene	0.03	0.22	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.13	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.6	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.37	ppbv	V0					
Isopentane	0.04	0.33	ppbv	V0					
Isoprene	0.02	0.12	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	4.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.14	ppbv	V0					
n-Butane	0.02	0.39	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister	<b>Deployment Information</b>	<b>Samp Use:</b> Exposure	<b>Set Index:</b> 1
<b>Location:</b> Janvier	<b>Loc ID:</b> JANV	<b>WBEA ID:</b> 211003915	
<b>Start Date:</b> 2021-10-13 00:00	<b>End Date:</b> 2021-10-14 00:00	<b>Duration:</b> 24.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		4.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		714.3	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.24	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.3	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.49	ppbv	V0					
Isopentane	0.04	0.31	ppbv	V0					
Isoprene	0.02	0.11	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	6.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.42	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
Location: Patricia McInnes  
Start Date: 2021-10-19 00:00

### Deployment Information

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-10-20 00:00

Set Index: 1  
WBEA ID: 211004075  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-1.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.4	mmHg		n-Heptane	0.04	0.20	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.23	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.38	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.60	ppbv	V0
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.09	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.11	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.12	ppbv	V0					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.13	ppbv	V0					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.4	ppbv	V0					
Acetone	0.40	1.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.51	ppbv	V0					
Isopentane	0.04	0.68	ppbv	V0					
Isoprene	0.02	0.13	ppbv	V0					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	24.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.14	ppbv	V0					
n-Butane	0.02	0.88	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211004047
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		0.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		742.9	mmHg		n-Heptane	0.04	0.23	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.08	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.16	ppbv	V0	n-Pentane	0.04	0.31	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.09	ppbv	V0	n-Propylbenzene	0.06	0.12	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.20	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.16	ppbv	V0	Toluene	0.03	0.23	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.11	ppbv	V0					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.13	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.0	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.60	ppbv	V0					
Ethylbenzene	0.03	0.17	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.59	ppbv	V0					
Isopentane	0.04	0.51	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	8.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.14	ppbv	V0					
n-Butane	0.02	0.64	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
 Location: Conklin  
 Start Date: 2021-10-19 00:00

Deployment Information  
 Samp Use: Exposure  
 Loc ID: CONK  
 End Date: 2021-10-20 00:00

Set Index: 1  
 WBEA ID: 211004328  
 Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-0.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		716.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.13	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.5	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.35	ppbv	V0					
Isopentane	0.04	0.23	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	4.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.22	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	211004031
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-0.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		743.7	mmHg		n-Heptane	0.04	0.26	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.24	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.09	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.16	ppbv	V0
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.30	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.09	ppbv	V0	n-Propylbenzene	0.06	0.12	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.13	ppbv	V0	Toluene	0.03	0.20	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.13	ppbv	V0					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.14	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.9	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.50	ppbv	V0					
Ethylbenzene	0.03	0.17	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.41	ppbv	V0					
Isopentane	0.04	0.39	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	4.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.14	ppbv	V0					
n-Butane	0.02	0.48	ppbv	V0					
n-Decane	0.06	0.11	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: **VOC Canister**  
 Location: **Janvier**  
 Start Date: **2021-10-19 00:00**

### Deployment Information

Samp Use: **Exposure**  
 Loc ID: **JANV**  
 End Date: **2021-10-20 00:00**

Set Index: **1**  
 WBEA ID: **211004406**  
 Duration: **24.0 hr**

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		0.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		724.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.13	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.0	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.28	ppbv	V0					
Isopentane	0.04	0.21	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	4.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.24	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211004455	
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		696.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.11	ppbv	V0	n-Pentane	0.04	0.28	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.1	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.42	ppbv	V0					
Isopentane	0.04	0.34	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	7.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	0.59	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
Location: Conklin  
Start Date: 2021-10-18 12:05

Deployment Information  
Samp Use: Field Procedure Blank  
Loc ID: CONK  
End Date: 2021-10-18 12:06

Set Index: 1  
WBEA ID: 211004321  
Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.25	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.11	ppbv	V0	n-Pentane	0.04	0.21	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.13	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.13	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.19	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.12	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.4	ppbv	V0					
Acetone	0.40	0.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	7.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.24	ppbv	V0					
Isopentane	0.04	0.53	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.70	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	11.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.16	ppbv	V0					
n-Butane	0.02	0.71	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211004503
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		704.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.17	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.22	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.3	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.56	ppbv	V0					
Isopentane	0.04	0.28	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	8.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	0.47	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information		Deployment Information		Set Index: 1	
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	WBEA ID:	211004623
Location:	Janvier	Loc ID:	JANV	Duration:	0.0 hr
Start Date:	2021-10-26 12:40	End Date:	2021-10-26 12:41		

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.28	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.17	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.12	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.9	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.19	ppbv	V0					
Isopentane	0.04	0.35	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	18.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.16	ppbv	V0					
n-Butane	0.02	0.65	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Set Index: 1
Location:	Barge Landing	Samp Use: Exposure	WBEA ID: 211004429
Start Date:	2021-10-25 00:00	Loc ID: BARG	Duration: 24.0 hr
		End Date: 2021-10-26 00:00	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		722.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.18	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	0.17	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.9	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.51	ppbv	V0					
Isopentane	0.04	0.31	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	10.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.40	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 211004448	
Start Date: 2021-10-25 00:00	End Date: 2021-10-26 00:00	Duration: 24.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		722.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.13	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.15	ppbv	V0	n-Pentane	0.04	0.24	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.12	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	0.17	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.3	ppbv	V0					
Acetone	0.40	1.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.66	ppbv	V0					
Isopentane	0.04	0.37	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.28	ppbv	V0					
Methanol	0.5	16.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	0.60	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211004432
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		719.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.24	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.23	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.12	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.24	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.4	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.10	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.45	ppbv	V0					
Isopentane	0.04	0.38	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.29	ppbv	V0					
Methanol	0.5	11.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.15	ppbv	V0					
n-Butane	0.02	0.64	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister <b>Location:</b> Fort McKay South <b>Start Date:</b> 2021-10-25 00:00	<b>Deployment Information</b> <b>Samp Use:</b> Exposure <b>Loc ID:</b> FMCS <b>End Date:</b> 2021-10-26 00:00	<b>Set Index:</b> 1 <b>WBEA ID:</b> 211004435 <b>Duration:</b> 24.0 hr
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### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		723.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.23	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.13	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.14	ppbv	V0	n-Pentane	0.04	0.21	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.14	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.2	ppbv	V0					
Acetone	0.40	1.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.75	ppbv	V0					
Isopentane	0.04	0.29	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.28	ppbv	V0					
Methanol	0.5	11.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.14	ppbv	V0					
n-Butane	0.02	0.54	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: **VOC Canister**  
 Location: **Anzac**  
 Start Date: **2021-10-25 00:00**

Deployment Information  
 Samp Use: **Exposure**  
 Loc ID: **ANZC**  
 End Date: **2021-10-26 00:00**

Set Index: **1**  
 WBEA ID: **211004427**  
 Duration: **24.0 hr**

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		4.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		702.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.40	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	0.17	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.20	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.0	ppbv	V0					
Acetone	0.40	4.60	ppbv	V4					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.18	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.61	ppbv	V0					
Isopentane	0.04	0.53	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	10.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.66	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister Location: Athabasca Valley Start Date: 2021-10-25 00:00	<b>Deployment Information</b> Samp Use: Exposure Loc ID: ATHV End Date: 2021-10-26 00:00	Set Index: 1 WBEA ID: 211004421 Duration: 24.0 hr
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### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		6.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		723.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.15	ppbv	V0	n-Pentane	0.04	0.22	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	0.17	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.10	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.0	ppbv	V0					
Acetone	0.40	3.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.63	ppbv	V0					
Isopentane	0.04	0.37	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	54.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.75	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Set Index: 1
Location:	Patricia McInnes	Samp Use: Exposure	WBEA ID: 211004414
Start Date:	2021-10-25 00:00	Loc ID: PATM	Duration: 24.0 hr
		End Date: 2021-10-26 00:00	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		4.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		713.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.20	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.14	ppbv	V0	n-Pentane	0.04	0.26	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	0.17	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.20	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.10	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.7	ppbv	V0					
Acetone	0.40	2.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.29	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.71	ppbv	V0					
Isopentane	0.04	0.40	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	15.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	0.75	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: VOC Canister  
Location: Barge Landing  
Start Date: 2021-10-31 00:00

Samp Use: Exposure  
Loc ID: BARG  
End Date: 2021-11-01 00:00

Set Index: 1  
WBEA ID: 211004642  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		1.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		743.9	mmHg		n-Heptane	0.04	0.38	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.34	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.16	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.23	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.59	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.18	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.13	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.16	ppbv	V0	Toluene	0.03	0.24	ppbv	V0
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.09	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.09	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.13	ppbv	V0					
2-Methylpentane	0.02	0.23	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.14	ppbv	V0					
3-Methylhexane	0.02	0.17	ppbv	V0					
3-Methylpentane	0.02	0.23	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.7	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.26	ppbv	V0					
Cyclopentane	0.02	0.15	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.38	ppbv	V0					
Isopentane	0.04	0.55	ppbv	V0					
Isoprene	0.02	0.11	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.19	ppbv	V0					
Methylcyclopentane	0.05	0.18	ppbv	V0					
n-Butane	0.02	0.27	ppbv	V0					
n-Decane	0.06	0.14	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Field Procedure Blank	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 211004666	
Start Date: 2021-10-27 14:45	End Date: 2021-10-27 14:46	Duration: 0.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.08	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.9	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.08	ppbv	V0					
Isopentane	0.04	0.10	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.10	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
 Location: Conklin  
 Start Date: 2021-10-31 00:00

Deployment Information  
 Samp Use: Exposure  
 Loc ID: CONK  
 End Date: 2021-11-01 00:00

Set Index: 1  
 WBEA ID: 211004636  
 Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-3.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		718.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.12	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.19	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.12	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.10	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.0	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.18	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.30	ppbv	V0					
Isopentane	0.04	0.27	ppbv	V0					
Isoprene	0.02	0.11	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	8.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	0.37	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 211004630
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		725.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.12	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.12	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.09	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.3	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.18	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.22	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.33	ppbv	V0					
Isopentane	0.04	0.23	ppbv	V0					
Isoprene	0.02	0.11	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	8.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.29	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211004667	
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-1.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		744.3	mmHg		n-Heptane	0.04	0.27	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.14	ppbv	V0	n-Hexane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.12	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.18	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.23	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	0.19	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.13	ppbv	V0	Toluene	0.03	0.20	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.14	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.2	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.50	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.50	ppbv	V0					
Isopentane	0.04	0.36	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	7.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.16	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	0.40	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister		<b>Deployment Information</b>		<b>Set Index:</b> 1
<b>Location:</b> Ells River		<b>Samp Use:</b> Exposure	<b>Loc ID:</b> ELSR	<b>WBEA ID:</b> 211004645
<b>Start Date:</b> 2021-10-31 00:00		<b>End Date:</b> 2021-11-01 00:00		<b>Duration:</b> 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-1.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		740.6	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.13	ppbv	V0	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.11	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.09	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.4	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.41	ppbv	V0					
Isopentane	0.04	0.28	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.17	ppbv	V0					
Methanol	0.5	4.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.23	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
 Location: Fort McKay South  
 Start Date: 2021-10-31 00:00

### Deployment Information

Samp Use: Exposure  
 Loc ID: FMCS  
 End Date: 2021-11-01 00:00

Set Index: 1  
 WBEA ID: 211004648  
 Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		745.0	mmHg		n-Heptane	0.04	0.24	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.14	ppbv	V0	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.13	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.20	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.34	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.13	ppbv	V0	o-Xylene	0.03	0.20	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.13	ppbv	V0	Toluene	0.03	0.22	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.8	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.45	ppbv	V0					
Isopentane	0.04	0.41	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.22	ppbv	V0					
Methanol	0.5	6.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.17	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.33	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	
Location:	Anzac	Samp Use: Exposure	Set Index: 1
Start Date:	2021-10-31 00:00	Loc ID: ANZC	WBEA ID: 211004711
		End Date: 2021-11-01 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		723.5	mmHg		n-Heptane	0.04	0.15	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.14	ppbv	V0	n-Pentane	0.04	0.22	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.9	ppbv	V0					
Acetone	0.40	1.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.90	ppbv	V0					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.71	ppbv	V0					
Isopentane	0.04	0.34	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.25	ppbv	V0					
Methanol	0.5	10.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.39	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211104801
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

### Notes

Low sample volume due to power blip on sample day.

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		1.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		706.5	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.30	ppbv	V0	n-Pentane	0.04	0.44	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.5	ppbv	V0					
Acetone	0.40	2.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.22	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.17	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.40	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.79	ppbv	V0					
Isopentane	0.04	0.63	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.70	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.28	ppbv	V0					
Methanol	0.5	20.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.95	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 211004717
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		1.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		728.1	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.13	ppbv	V0	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.16	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.23	ppbv	V0	n-Pentane	0.04	0.28	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.08	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.22	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.10	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.8	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.18	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.17	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.50	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.81	ppbv	V0					
Isopentane	0.04	0.60	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.70	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.29	ppbv	V0					
Methanol	0.5	52.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	1.50	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	211104729
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		0.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.2	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.14	ppbv	V0	n-Pentane	0.04	0.42	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.13	ppbv	V0	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.3	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.18	ppbv	V0					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.63	ppbv	V0					
Isopentane	0.04	0.48	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	11.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.52	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister		<b>Deployment Information</b>		<b>Set Index:</b> 1
<b>Location:</b> Ells River		<b>Samp Use:</b> Exposure	<b>Loc ID:</b> ELSR	<b>WBEA ID:</b> 211104790
<b>Start Date:</b> 2021-11-06 00:00		<b>End Date:</b> 2021-11-07 00:00	<b>Duration:</b> 24.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		1.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		723.3	mmHg		n-Heptane	0.04	0.15	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.27	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	11.2	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.35	ppbv	V0					
Isopentane	0.04	0.76	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.25	ppbv	V0					
Methanol	0.5	5.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.65	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID: 211104793
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		1.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.3	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.15	ppbv	V0	n-Pentane	0.04	0.49	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.14	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.13	ppbv	V0	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.5	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.78	ppbv	V0					
Isopentane	0.04	0.53	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	10.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.67	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211004723
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-3.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.6	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.15	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.15	ppbv	V0	n-Pentane	0.04	0.22	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.8	ppbv	V0					
Acetone	0.40	2.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.00	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.69	ppbv	V0					
Isopentane	0.04	0.51	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.28	ppbv	V0					
Methanol	0.5	48.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.92	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211104817
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		0.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		717.4	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.23	ppbv	V0	n-Pentane	0.04	0.72	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.7	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.18	ppbv	V0					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.90	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.57	ppbv	V0					
Isopentane	0.04	0.78	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	10.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.68	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Bertha Ganter - Fort McKay	Samp Use: Exposure	Loc ID: BGFM	WBEA ID: 211104787	
Start Date: 2021-11-06 00:00	End Date: 2021-11-07 00:00	Duration: 24.0 hr		

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		1.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.2	mmHg		n-Heptane	0.04	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.19	ppbv	V0	n-Hexane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.15	ppbv	V0	n-Nonane	0.04	0.11	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.46	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.13	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.12	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.13	ppbv	V0	Toluene	0.03	0.28	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.12	ppbv	V0					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.13	ppbv	V0					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.9	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.22	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.60	ppbv	V0					
Ethylbenzene	0.03	0.21	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.66	ppbv	V0					
Isopentane	0.04	0.63	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.90	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.31	ppbv	V0					
Methanol	0.5	19.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	0.92	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211104757
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		2.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		701.5	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.18	ppbv	V0	n-Hexane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.14	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.35	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.16	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.09	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.0	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.50	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.67	ppbv	V0					
Isopentane	0.04	0.46	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.25	ppbv	V0					
Methanol	0.5	10.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	0.73	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211104750
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		707.9	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.18	ppbv	V0	n-Hexane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.14	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.35	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.17	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.6	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.70	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.63	ppbv	V0					
Isopentane	0.04	0.44	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	7.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	0.72	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 211104816
Start Date:	2021-11-05 13:30	End Date:	2021-11-05 13:31	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.09	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.3	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.12	ppbv	V0					
Isopentane	0.04	0.14	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	3.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.18	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	0.17	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211104818
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-4.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		714.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.17	ppbv	V0	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.20	ppbv	V0	n-Pentane	0.04	0.22	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.4	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.49	ppbv	V0					
Isopentane	0.04	0.28	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	6.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.47	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211104830
Start Date:	2021-11-09 08:00	End Date:	2021-11-10 08:00	Duration:	24.0 hr

### Notes

Unable to access station for VOC sample deployment for last NAPS day due to concrete work. Sample deployed 2021-11-09 at 08:00 MST for a duration of 24hrs.

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-5.3	°C		n-Decane	0.06	-8888	ppbv	V1
Pressure		739.1	mmHg		n-Dodecane	0.30	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.18	ppbv	V0	n-Heptane	0.04	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Pentane	0.04	0.17	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.3	ppbv	V0					
Acetone	0.40	1.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.47	ppbv	V0					
Isopentane	0.04	0.28	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.25	ppbv	V0					
Methanol	0.5	33.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.47	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 211104864
Start Date:	2021-11-10 08:18	End Date:	2021-11-10 08:19	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.37	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.56	ppbv	V0	n-Pentane	0.04	0.08	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	0.40	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.4	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.29	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.25	ppbv	V0					
Isopentane	0.04	0.10	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	2.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.59	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	0.16	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	211104846
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-4.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		728.7	mmHg		n-Heptane	0.04	0.26	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.18	ppbv	V0	n-Hexane	0.03	0.28	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.15	ppbv	V0	n-Pentane	0.04	0.33	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.10	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.09	ppbv	V0	Toluene	0.03	0.27	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.12	ppbv	V0					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.15	ppbv	V0					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.9	ppbv	V0					
Acetone	0.40	2.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.00	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.66	ppbv	V0					
Isopentane	0.04	0.65	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.29	ppbv	V0					
Methanol	0.5	18.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.15	ppbv	V0					
n-Butane	0.02	1.14	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211104840
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.0	mmHg		n-Heptane	0.04	0.23	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.18	ppbv	V0	n-Hexane	0.03	0.24	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.14	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.97	ppbv	V0	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	1.66	ppbv	V4	n-Pentane	0.04	0.34	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.10	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.24	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	0.99	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.12	ppbv	V0					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.14	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	10.7	ppbv	V0					
Acetone	0.40	2.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.94	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.00	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.22	ppbv	V0					
Isopentane	0.04	0.58	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	1.10	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.29	ppbv	V0					
Methanol	0.5	8.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	2.44	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	211104843
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.1	mmHg		n-Heptane	0.04	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.18	ppbv	V0	n-Hexane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.17	ppbv	V0	n-Pentane	0.04	0.35	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.17	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.20	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.6	ppbv	V0					
Acetone	0.40	1.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.00	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.62	ppbv	V0					
Isopentane	0.04	0.49	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.28	ppbv	V0					
Methanol	0.5	12.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	0.90	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211104824
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-3.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.3	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.18	ppbv	V0	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.10	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.22	ppbv	V0	n-Pentane	0.04	0.27	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.9	ppbv	V0					
Acetone	0.40	2.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.53	ppbv	V0					
Isopentane	0.04	0.38	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	18.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.63	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211104865
Start Date:	2021-11-16 15:30	End Date:	2021-11-17 15:30	Duration:	24.0 hr

### Notes

VOC valve was not opened when deployed on November 10th. No sample taken on November 12th, 2021.  
 Sample redeployed to run from Nov 16 15:30 MST to Nov 17 15:30 MST.

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-7.0	°C		n-Butane	0.02	0.32	ppbv	V0
Pressure		739.9	mmHg		n-Decane	0.06	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Dodecane	0.30	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	0.14	ppbv	V0	n-Heptane	0.04	0.16	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.17	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Pentane	0.04	0.15	ppbv	V0
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methylhexane	0.03	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.0	ppbv	V0					
Acetone	0.40	2.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.43	ppbv	V0					
Isopentane	0.04	0.24	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	10.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 211104853	
Start Date: 2021-11-12 00:00	End Date: 2021-11-13 00:00	Duration: 24.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.3	mmHg		n-Heptane	0.04	0.22	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.23	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.14	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.58	ppbv	V0	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	1.09	ppbv	V4	n-Pentane	0.04	0.29	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	0.64	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.3	ppbv	V0					
Acetone	0.40	2.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.60	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.94	ppbv	V0					
Isopentane	0.04	0.36	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	10.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	1.79	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211104868
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-4.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		708.5	mmHg		n-Heptane	0.04	0.16	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.19	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.5	ppbv	V0					
Acetone	0.40	1.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.49	ppbv	V0					
Isopentane	0.04	0.26	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	6.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.33	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211104874
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-3.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		716.2	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.18	ppbv	V0	n-Hexane	0.03	5.18	ppbv	V4
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.10	ppbv	V0
1,3-Butadiene	0.03	1.15	ppbv	V4	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	1.98	ppbv	V4	n-Pentane	0.04	0.28	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.10	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.17	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.22	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	1.19	ppbv	V4
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.28	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.75	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	10.5	ppbv	V0					
Acetone	0.40	1.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	1.14	ppbv	V4					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	0.34	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.30	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.20	ppbv	V0					
Isopentane	0.04	0.58	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	8.80	ppbv	V4					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.28	ppbv	V0					
Methanol	0.5	10.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	1.12	ppbv	V4					
n-Butane	0.02	2.63	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211104894
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-4.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.1	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.18	ppbv	V0	n-Hexane	0.03	0.23	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.08	ppbv	V0	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.22	ppbv	V0	n-Pentane	0.04	0.67	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.13	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.12	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.11	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.24	ppbv	V0
2,3-Dimethylpentane	0.02	0.10	ppbv	V0	trans-2-Butene	0.03	0.13	ppbv	V0
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.15	ppbv	V0	trans-2-Pentene	0.02	0.12	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	0.16	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	15.6	ppbv	V0					
Acetone	0.40	1.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.30	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.14	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.10	ppbv	V0					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.00	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.82	ppbv	V0					
Isopentane	0.04	1.20	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.20	ppbv	V0					
Methanol	0.5	91.2	ppbv	V4					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.16	ppbv	V0					
n-Butane	0.02	4.18	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211104910
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-7.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.3	mmHg		n-Heptane	0.04	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.05	ppbv	V0	n-Octane	0.02	0.15	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.54	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.10	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	0.05	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.4	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.06	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.70	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.84	ppbv	V0					
Isopentane	0.04	0.76	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.18	ppbv	V0					
Methanol	0.5	4.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	1.32	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister		<b>Deployment Information</b>		<b>Set Index:</b> 1
<b>Location:</b> Fort McKay South		<b>Samp Use:</b> Exposure	<b>Loc ID:</b> FMCS	<b>WBEA ID:</b> 211104913
<b>Start Date:</b> 2021-11-18 00:00		<b>End Date:</b> 2021-11-19 00:00		<b>Duration:</b> 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		711.5	mmHg		n-Heptane	0.04	0.24	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.07	ppbv	V0	n-Octane	0.02	0.20	ppbv	V0
1-Butene/Isobutylene	0.06	0.16	ppbv	V0	n-Pentane	0.04	0.49	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.31	ppbv	V0	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.13	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.28	ppbv	V0	Toluene	0.03	0.25	ppbv	V0
2,3-Dimethylpentane	0.02	0.17	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.09	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.13	ppbv	V0					
3-Methylpentane	0.02	0.28	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	9.5	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.06	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.39	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.70	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.10	ppbv	V0					
Isopentane	0.04	1.46	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.20	ppbv	V0					
Methanol	0.5	4.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.24	ppbv	V0					
Methylcyclopentane	0.05	0.18	ppbv	V0					
n-Butane	0.02	1.28	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211104900
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-6.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		721.3	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.18	ppbv	V0	n-Hexane	0.03	0.20	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.07	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.26	ppbv	V0	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.48	ppbv	V0	n-Pentane	0.04	0.52	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.11	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.22	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	0.23	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.7	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.26	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.22	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.60	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.00	ppbv	V0					
Isopentane	0.04	0.82	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.20	ppbv	V0					
Methanol	0.5	23.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	1.88	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211104884
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-3.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		710.6	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.18	ppbv	V0	n-Hexane	0.03	0.26	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	1.69	ppbv	V4	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	3.36	ppbv	V4	n-Pentane	0.04	0.76	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.22	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.13	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.31	ppbv	V0
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Butene	0.03	1.93	ppbv	V4
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.12	ppbv	V0					
2-Methylpentane	0.02	0.15	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.13	ppbv	V0					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	21.0	ppbv	V4					
Acetone	0.40	2.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.22	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	1.83	ppbv	V4					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	7.30	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	2.48	ppbv	V4					
Isopentane	0.04	1.37	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	1.80	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.23	ppbv	V0					
Methanol	0.5	16.1	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.15	ppbv	V0					
n-Butane	0.02	5.47	ppbv	V4					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: VOC Canister	Samp Use: Field Procedure Blank	Set Index: 1
Location: Anzac	Loc ID: ANZC	WBEA ID: 211104883
Start Date: 2021-11-15 10:15	End Date: 2021-11-15 10:16	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	2.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	3.63	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	2.97	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.81	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	19.5	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	2.76	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	2.28	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.17	ppbv	V0					
Methanol	0.5	3.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.68	ppbv	V0					
n-Butane	0.02	5.22	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	211104909
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-10.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		725.9	mmHg		n-Heptane	0.04	0.24	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.07	ppbv	V0	n-Octane	0.02	0.18	ppbv	V0
1-Butene/Isobutylene	0.06	0.20	ppbv	V0	n-Pentane	0.04	0.65	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.11	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.20	ppbv	V0	Toluene	0.03	0.20	ppbv	V0
2,3-Dimethylpentane	0.02	0.13	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.12	ppbv	V0					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.14	ppbv	V0					
3-Methylpentane	0.02	0.20	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	11.4	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.30	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.32	ppbv	V0					
Isopentane	0.04	1.38	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.19	ppbv	V0					
Methanol	0.5	21.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.16	ppbv	V0					
n-Butane	0.02	1.64	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211104917
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-8.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.7	mmHg		n-Heptane	0.04	0.23	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.20	ppbv	V0	n-Hexane	0.03	0.24	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.08	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.09	ppbv	V0	n-Octane	0.02	0.16	ppbv	V0
1-Butene/Isobutylene	0.06	0.20	ppbv	V0	n-Pentane	0.04	0.71	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.12	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.19	ppbv	V0	o-Xylene	0.03	0.13	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.17	ppbv	V0	Toluene	0.03	0.30	ppbv	V0
2,3-Dimethylpentane	0.02	0.15	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.14	ppbv	V0					
2-Methylpentane	0.02	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.16	ppbv	V0					
3-Methylpentane	0.02	0.21	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	10.1	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.28	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.26	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.10	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.16	ppbv	V0					
Isopentane	0.04	1.45	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.25	ppbv	V0					
Methanol	0.5	15.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.18	ppbv	V0					
n-Butane	0.02	1.85	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211104963
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-5.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		705.4	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.06	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.18	ppbv	V0	n-Pentane	0.04	0.46	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.0	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.17	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.91	ppbv	V0					
Isopentane	0.04	0.67	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.17	ppbv	V0					
Methanol	0.5	17.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	1.25	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211104936
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		714.1	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.06	ppbv	V0	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.18	ppbv	V0	n-Pentane	0.04	0.56	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.9	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.21	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.91	ppbv	V0					
Isopentane	0.04	0.80	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.17	ppbv	V0					
Methanol	0.5	11.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	1.33	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211105033
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		719.5	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.51	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.14	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.27	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.09	ppbv	V0					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.2	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.23	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	0.16	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.34	ppbv	V0					
Isopentane	0.04	0.57	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.15	ppbv	V0					
Methanol	0.5	4.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.57	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211104972
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		743.9	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.17	ppbv	V0	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.04	ppbv	V0	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	0.15	ppbv	V0	n-Pentane	0.04	0.31	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.16	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.10	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.33	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	0.08	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.10	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.9	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.18	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.09	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.18	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.30	ppbv	V0					
Ethylbenzene	0.03	0.17	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.03	ppbv	V0					
Isopentane	0.04	0.58	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.19	ppbv	V0					
Methanol	0.5	33.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	2.27	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211105003
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		741.5	mmHg		n-Heptane	0.04	0.25	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.11	ppbv	V0
1,3-Butadiene	0.03	0.04	ppbv	V0	n-Octane	0.02	0.17	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.45	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.09	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.17	ppbv	V0	o-Xylene	0.03	0.16	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.10	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.17	ppbv	V0	Toluene	0.03	0.33	ppbv	V0
2,3-Dimethylpentane	0.02	0.14	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.10	ppbv	V0					
3-Methylhexane	0.02	0.13	ppbv	V0					
3-Methylpentane	0.02	0.21	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.0	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.25	ppbv	V0					
Cyclopentane	0.02	0.10	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.43	ppbv	V0					
Isopentane	0.04	0.60	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.20	ppbv	V0					
Methanol	0.5	4.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.18	ppbv	V0					
Methylcyclopentane	0.05	0.16	ppbv	V0					
n-Butane	0.02	0.61	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 211105026
Start Date:	2021-11-23 16:40	End Date:	2021-11-23 16:41	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.23	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.0	ppbv	V0					
Acetone	0.40	0.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.26	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.15	ppbv	V0					
Methanol	0.5	10.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.52	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister		<b>Deployment Information</b>		<b>Set Index:</b> 1
<b>Location:</b> Ells River		<b>Samp Use:</b> Exposure	<b>Loc ID:</b> ELSR	<b>WBEA ID:</b> 211104987
<b>Start Date:</b> 2021-11-24 00:00		<b>End Date:</b> 2021-11-25 00:00		<b>Duration:</b> 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.2	mmHg		n-Heptane	0.04	0.24	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.10	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.17	ppbv	V0
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.42	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.08	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.15	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.15	ppbv	V0	Toluene	0.03	0.33	ppbv	V0
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.14	ppbv	V0					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.10	ppbv	V0					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	0.17	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.1	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.23	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.45	ppbv	V0					
Isopentane	0.04	0.51	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.19	ppbv	V0					
Methanol	0.5	3.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.17	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	0.46	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID: 211104988
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		742.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.40	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.25	ppbv	V0	n-Pentane	0.04	1.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.42	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.65	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.30	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.41	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.1	ppbv	V0					
Acetone	0.40	2.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.24	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.40	ppbv	V0					
Ethylbenzene	0.03	0.49	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.72	ppbv	V0					
Isopentane	0.04	1.13	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	1.10	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.45	ppbv	V0					
Methanol	0.5	14.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.83	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211104978
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.4	mmHg		n-Heptane	0.04	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.17	ppbv	V0	n-Hexane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.04	ppbv	V0	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.38	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.28	ppbv	V0
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.5	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.18	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.80	ppbv	V0					
Ethylbenzene	0.03	0.17	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.49	ppbv	V0					
Isopentane	0.04	0.53	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.18	ppbv	V0					
Methanol	0.5	11.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	0.86	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	211105013
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-19.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		740.9	mmHg		n-Heptane	0.04	0.27	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.26	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.11	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.18	ppbv	V0
1-Butene/Isobutylene	0.06	0.15	ppbv	V0	n-Pentane	0.04	0.73	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.23	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.10	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.17	ppbv	V0	Toluene	0.03	0.32	ppbv	V0
2,3-Dimethylpentane	0.02	0.14	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.12	ppbv	V0					
2-Methylpentane	0.02	0.18	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.15	ppbv	V0					
3-Methylpentane	0.02	0.23	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.5	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.22	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.62	ppbv	V0					
Isopentane	0.04	0.82	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.18	ppbv	V0					
Methanol	0.5	9.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.17	ppbv	V0					
Methylcyclopentane	0.05	0.16	ppbv	V0					
n-Butane	0.02	0.79	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211105027
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		714.2	mmHg		n-Heptane	0.04	0.16	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.41	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.14	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.22	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.2	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.18	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.46	ppbv	V0					
Isopentane	0.04	0.43	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.15	ppbv	V0					
Methanol	0.5	4.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.64	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211105012
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		722.8	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.44	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.14	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.26	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.5	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	0.16	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.50	ppbv	V0					
Isopentane	0.04	0.53	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.16	ppbv	V0					
Methanol	0.5	7.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.76	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211105052
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-1.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		706.5	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.16	ppbv	V0	n-Hexane	0.03	0.20	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.40	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.14	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.10	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.22	ppbv	V0
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.9	ppbv	V0					
Acetone	0.40	1.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.18	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	0.10	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.00	ppbv	V0					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.45	ppbv	V0					
Isopentane	0.04	0.58	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.80	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.23	ppbv	V0					
Methanol	0.5	9.8	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.40	ppbv	V0					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	0.75	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211105040
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-3.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		728.8	mmHg		n-Heptane	0.04	0.22	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.17	ppbv	V0	n-Hexane	0.03	0.24	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.09	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.14	ppbv	V0	n-Pentane	0.04	0.41	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.10	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	0.14	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.10	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.23	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.12	ppbv	V0					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.09	ppbv	V0					
3-Methylhexane	0.02	0.13	ppbv	V0					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.5	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.18	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.90	ppbv	V0					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.66	ppbv	V0					
Isopentane	0.04	0.65	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.70	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.25	ppbv	V0					
Methanol	0.5	58.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
n-Butane	0.02	1.07	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211105078
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-1.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		699.7	mmHg		n-Heptane	0.04	0.16	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.16	ppbv	V0	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.25	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.13	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.3	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	0.17	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.51	ppbv	V0					
Isopentane	0.04	0.35	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	5.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.66	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister		<b>Deployment Information</b>		<b>Set Index:</b> 1
<b>Location:</b> Janvier		<b>Samp Use:</b> Exposure	<b>Loc ID:</b> JANV	<b>WBEA ID:</b> 211105090
<b>Start Date:</b> 2021-11-30 00:00		<b>End Date:</b> 2021-12-01 00:00		<b>Duration:</b> 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		0.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		708.4	mmHg		n-Heptane	0.04	0.16	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.16	ppbv	V0	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.26	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.13	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.1	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	0.17	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.60	ppbv	V0					
Isopentane	0.04	0.34	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	6.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.71	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister		<b>Deployment Information</b>		<b>Set Index:</b> 1
<b>Location:</b> Janvier		<b>Samp Use:</b> Field Procedure Blank	<b>Loc ID:</b> JANV	<b>WBEA ID:</b> 211105089
<b>Start Date:</b> 2021-11-26 13:45		<b>End Date:</b> 2021-11-26 13:46		<b>Duration:</b> 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.13	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.6	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211105034
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-5.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		716.9	mmHg		n-Heptane	0.04	0.23	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.17	ppbv	V0	n-Hexane	0.03	0.27	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.09	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.15	ppbv	V0	n-Pentane	0.04	0.55	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.12	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.27	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.09	ppbv	V0					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	0.17	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.7	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.18	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	0.13	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.80	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.69	ppbv	V0					
Isopentane	0.04	0.87	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	1.00	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	19.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.14	ppbv	V0					
Methylcyclopentane	0.05	0.16	ppbv	V0					
n-Butane	0.02	1.18	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	211105093
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-8.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.2	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.23	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.08	ppbv	V0
1,3-Butadiene	0.03	0.03	ppbv	V0	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.96	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.29	ppbv	V0	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.10	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.25	ppbv	V0	Toluene	0.03	0.20	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.26	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.27	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.3	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.21	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.22	ppbv	V0					
Cyclopentane	0.02	0.19	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.06	ppbv	V0					
Isopentane	0.04	1.30	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.19	ppbv	V0					
Methanol	0.5	4.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.14	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.54	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure	WBEA ID: 211105056
Start Date:	2021-11-30 00:00	Loc ID:	BGFM	Duration: 24.0 hr
		End Date:	2021-12-01 00:00	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-8.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.4	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.04	ppbv	V0	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	0.11	ppbv	V0	n-Pentane	0.04	0.69	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.24	ppbv	V0	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.10	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.22	ppbv	V0	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.17	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.18	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.3	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	0.14	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	0.23	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.06	ppbv	V0					
Isopentane	0.04	0.98	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.20	ppbv	V0					
Methanol	0.5	4.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.15	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.65	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211105053
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-7.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		723.6	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.03	ppbv	V0	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.11	ppbv	V0	n-Pentane	0.04	0.71	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.26	ppbv	V0	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.10	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.23	ppbv	V0	Toluene	0.03	0.22	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.20	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	17.6	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.27	ppbv	V0					
Cyclopentane	0.02	0.15	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	0.22	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	2.25	ppbv	V0					
Isopentane	0.04	1.64	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.19	ppbv	V0					
Methanol	0.5	3.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.18	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.98	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	211105069
Start Date:	2021-12-02 10:00	End Date:	2021-12-03 10:00	Duration:	24.0 hr

### Notes

Sample did not run on NAPS day due to a host communication error. Redeployed for 10:00 MST on Dec 2nd 2021.

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.5	mmHg		n-Heptane	0.04	0.13	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.14	ppbv	V0	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.03	ppbv	V0	n-Octane	0.02	0.10	ppbv	V0
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.25	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	0.11	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.2	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.15	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	0.21	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.39	ppbv	V0					
Isopentane	0.04	0.33	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.17	ppbv	V0					
Methanol	0.5	6.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.38	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	211205143
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-24.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.6	mmHg		n-Heptane	0.04	0.58	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.16	ppbv	V0	n-Hexane	0.03	0.47	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.18	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.43	ppbv	V0
1-Butene/Isobutylene	0.06	0.37	ppbv	V0	n-Pentane	0.04	0.62	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.10	ppbv	V0
1-Pentene	0.03	0.14	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.29	ppbv	V0	o-Xylene	0.03	0.17	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.14	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.28	ppbv	V0	Toluene	0.03	0.59	ppbv	V0
2,3-Dimethylpentane	0.02	0.17	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.12	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.10	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.21	ppbv	V0					
2-Methylpentane	0.02	0.20	ppbv	V0					
3-Methyl-1-butene	0.02	0.10	ppbv	V0					
3-Methylheptane	0.03	0.18	ppbv	V0					
3-Methylhexane	0.02	0.29	ppbv	V0					
3-Methylpentane	0.02	0.24	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.1	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.28	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.10	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.32	ppbv	V0					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	0.23	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.11	ppbv	V0					
Isopentane	0.04	0.86	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.40	ppbv	V0					
Methanol	0.5	19.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.42	ppbv	V0					
Methylcyclopentane	0.05	0.36	ppbv	V0					
n-Butane	0.02	1.73	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205162	
Start Date:	2021-12-03 16:25	End Date:	2021-12-03 16:26	Duration:	0.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.9	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.11	ppbv	V0					
Isopentane	0.04	0.11	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.13	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211205127
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		708.9	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.14	ppbv	V0	n-Hexane	0.03	0.49	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.17	ppbv	V0	n-Pentane	0.04	0.39	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.09	ppbv	V0
1-Pentene	0.03	0.18	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.40	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.10	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.09	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.24	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.6	ppbv	V0					
Acetone	0.40	2.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.22	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.08	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.24	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.00	ppbv	V0					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.87	ppbv	V0					
Isopentane	0.04	0.71	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	1.80	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.27	ppbv	V0					
Methanol	0.5	15.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.25	ppbv	V0					
n-Butane	0.02	1.38	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205134
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		712.3	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.14	ppbv	V0	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.14	ppbv	V0	n-Pentane	0.04	0.24	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.11	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.26	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.8	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.18	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.08	ppbv	V0					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	0.17	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.42	ppbv	V0					
Isopentane	0.04	0.31	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	3.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.59	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205163
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.0	mmHg		n-Heptane	0.04	0.43	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.47	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.15	ppbv	V0
1,3-Butadiene	0.03	0.09	ppbv	V0	n-Octane	0.02	0.28	ppbv	V0
1-Butene/Isobutylene	0.06	0.30	ppbv	V0	n-Pentane	0.04	0.65	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.16	ppbv	V0	n-Propylbenzene	0.06	0.10	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.12	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.21	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.14	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.22	ppbv	V0	Toluene	0.03	0.46	ppbv	V0
2,3-Dimethylpentane	0.02	0.17	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.10	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.11	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.26	ppbv	V0					
2-Methylhexane	0.03	0.19	ppbv	V0					
2-Methylpentane	0.02	0.24	ppbv	V0					
3-Methyl-1-butene	0.02	0.10	ppbv	V0					
3-Methylheptane	0.03	0.15	ppbv	V0					
3-Methylhexane	0.02	0.25	ppbv	V0					
3-Methylpentane	0.02	0.26	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.6	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.25	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.10	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.27	ppbv	V0					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.70	ppbv	V0					
Ethylbenzene	0.03	0.21	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.03	ppbv	V0					
Isopentane	0.04	1.05	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.35	ppbv	V0					
Methanol	0.5	8.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.28	ppbv	V0					
Methylcyclopentane	0.05	0.27	ppbv	V0					
n-Butane	0.02	1.71	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211205139
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.8	mmHg		n-Heptane	0.04	0.20	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.07	ppbv	V0	n-Octane	0.02	0.15	ppbv	V0
1-Butene/Isobutylene	0.06	0.15	ppbv	V0	n-Pentane	0.04	0.36	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.17	ppbv	V0	o-Xylene	0.03	0.11	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.17	ppbv	V0	Toluene	0.03	0.31	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.16	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.9	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.25	ppbv	V0					
Cyclopentane	0.02	0.10	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.50	ppbv	V0					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.75	ppbv	V0					
Isopentane	0.04	0.72	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.25	ppbv	V0					
Methanol	0.5	10.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	0.67	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	211205144
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-27.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.6	mmHg		n-Heptane	0.04	0.45	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.37	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.16	ppbv	V0
1,3-Butadiene	0.03	0.09	ppbv	V0	n-Octane	0.02	0.36	ppbv	V0
1-Butene/Isobutylene	0.06	0.24	ppbv	V0	n-Pentane	0.04	0.49	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.17	ppbv	V0	n-Propylbenzene	0.06	0.10	ppbv	V0
1-Pentene	0.03	0.12	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.10	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.19	ppbv	V0	o-Xylene	0.03	0.14	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.14	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.22	ppbv	V0	Toluene	0.03	0.46	ppbv	V0
2,3-Dimethylpentane	0.02	0.16	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.10	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.32	ppbv	V0					
2-Methylhexane	0.03	0.16	ppbv	V0					
2-Methylpentane	0.02	0.18	ppbv	V0					
3-Methyl-1-butene	0.02	0.10	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.23	ppbv	V0					
3-Methylpentane	0.02	0.24	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.8	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.23	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.08	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.32	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	0.21	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.75	ppbv	V0					
Isopentane	0.04	0.85	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.32	ppbv	V0					
Methanol	0.5	5.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.31	ppbv	V0					
Methylcyclopentane	0.05	0.22	ppbv	V0					
n-Butane	0.02	1.05	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205095
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-21.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		713.9	mmHg		n-Heptane	0.04	0.25	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.13	ppbv	V0	n-Hexane	0.03	0.58	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.07	ppbv	V0	n-Nonane	0.04	0.11	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.20	ppbv	V0	n-Pentane	0.04	1.09	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.15	ppbv	V0	n-Propylbenzene	0.06	0.10	ppbv	V0
1-Pentene	0.03	0.32	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.23	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	0.20	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.15	ppbv	V0	Styrene	0.04	0.44	ppbv	V0
2,3-Dimethylbutane	0.09	0.14	ppbv	V0	Toluene	0.03	0.75	ppbv	V0
2,3-Dimethylpentane	0.02	0.21	ppbv	V0	trans-2-Butene	0.03	0.10	ppbv	V0
2,4-Dimethylpentane	0.03	0.14	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.14	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.17	ppbv	V0					
2-Methylpentane	0.02	0.23	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.19	ppbv	V0					
3-Methylpentane	0.02	0.29	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.8	ppbv	V0					
Acetone	0.40	2.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.34	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.11	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.27	ppbv	V0					
Cyclopentane	0.02	0.22	ppbv	V0					
Cyclopentene	0.02	0.11	ppbv	V0					
Ethanol	0.50	7.10	ppbv	V0					
Ethylbenzene	0.03	0.15	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.37	ppbv	V0					
Isopentane	0.04	2.18	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	4.90	ppbv	V4					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.45	ppbv	V0					
Methanol	0.5	33.6	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.15	ppbv	V0					
Methylcyclopentane	0.05	0.30	ppbv	V0					
n-Butane	0.02	3.29	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211205109
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.5	mmHg		n-Heptane	0.04	0.20	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.09	ppbv	V0	n-Hexane	0.03	0.20	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.06	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.09	ppbv	V0	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	0.28	ppbv	V0	n-Pentane	0.04	0.38	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.15	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.13	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.13	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.13	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.24	ppbv	V0
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Butene	0.03	0.16	ppbv	V0
2,4-Dimethylpentane	0.03	0.10	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.14	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	9.7	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.29	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.15	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	0.11	ppbv	V0					
Ethanol	0.50	2.70	ppbv	V0					
Ethylbenzene	0.03	0.10	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.51	ppbv	V0					
Isopentane	0.04	0.80	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	0.09	ppbv	V0					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	27.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	3.14	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211205180
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		719.8	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.33	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.16	ppbv	V0	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.14	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.16	ppbv	V0	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.8	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.07	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.23	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.73	ppbv	V0					
Isopentane	0.04	0.50	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.20	ppbv	V0					
Methanol	0.5	2.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.49	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	211205184
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		723.4	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.11	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.16	ppbv	V0	n-Pentane	0.04	0.40	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.17	ppbv	V0	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.13	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.14	ppbv	V0	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.4	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.21	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.07	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.51	ppbv	V0					
Isopentane	0.04	0.46	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	15.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.42	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211205115
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		724.8	mmHg		n-Heptane	0.04	0.22	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.13	ppbv	V0	n-Hexane	0.03	0.24	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.07	ppbv	V0	n-Nonane	0.04	0.11	ppbv	V0
1,3-Butadiene	0.03	0.10	ppbv	V0	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.29	ppbv	V0	n-Pentane	0.04	0.38	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.10	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.16	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.16	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.14	ppbv	V0	Styrene	0.04	0.45	ppbv	V0
2,3-Dimethylbutane	0.09	0.12	ppbv	V0	Toluene	0.03	0.32	ppbv	V0
2,3-Dimethylpentane	0.02	0.15	ppbv	V0	trans-2-Butene	0.03	0.10	ppbv	V0
2,4-Dimethylpentane	0.03	0.11	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.12	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.13	ppbv	V0					
2-Methylpentane	0.02	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.11	ppbv	V0					
3-Methylhexane	0.02	0.15	ppbv	V0					
3-Methylpentane	0.02	0.16	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.6	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.33	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.11	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.22	ppbv	V0					
Cyclopentane	0.02	0.10	ppbv	V0					
Cyclopentene	0.02	0.11	ppbv	V0					
Ethanol	0.50	2.70	ppbv	V0					
Ethylbenzene	0.03	0.12	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.86	ppbv	V0					
Isopentane	0.04	0.67	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	0.09	ppbv	V0					
m,p-Xylene	0.04	0.31	ppbv	V0					
Methanol	0.5	14.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.14	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
n-Butane	0.02	1.46	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 211205259
Start Date:	2021-12-10 11:25	End Date:	2021-12-10 11:26	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.8	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.07	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.09	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	211205178
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-13.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		722.1	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.10	ppbv	V0	n-Hexane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.79	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.21	ppbv	V0	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.12	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.17	ppbv	V0	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.25	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.27	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.7	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.30	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	0.17	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	0.13	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.39	ppbv	V0					
Isopentane	0.04	0.78	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.20	ppbv	V0					
Methanol	0.5	4.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.39	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: <b>VOC Canister</b>	Deployment Information	Samp Use: <b>Exposure</b>	Set Index: <b>1</b>
Location: <b>Conklin</b>		Loc ID: <b>CONK</b>	WBEA ID: <b>211205223</b>
Start Date: <b>2021-12-12 00:00</b>		End Date: <b>2021-12-13 00:00</b>	Duration: <b>24.0 hr</b>

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		696.8	mmHg		n-Heptane	0.04	0.20	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.09	ppbv	V0	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.06	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.08	ppbv	V0	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.15	ppbv	V0	n-Pentane	0.04	0.28	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.09	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.24	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.1	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.23	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	0.13	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.45	ppbv	V0					
Isopentane	0.04	0.35	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	3.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.56	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205231
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-8.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		703.7	mmHg		n-Heptane	0.04	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.16	ppbv	V0	n-Pentane	0.04	0.38	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.8	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	0.13	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.58	ppbv	V0					
Isopentane	0.04	0.45	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.20	ppbv	V0					
Methanol	0.5	4.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.77	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
 Location: Anzac  
 Start Date: 2021-12-12 00:00

### Deployment Information

Samp Use: Exposure  
 Loc ID: ANZC  
 End Date: 2021-12-13 00:00

Set Index: 1  
 WBEA ID: 211205266  
 Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		702.4	mmHg		n-Heptane	0.04	0.22	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.16	ppbv	V0	n-Pentane	0.04	0.37	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.10	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	0.14	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.0	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.22	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.18	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	0.13	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.55	ppbv	V0					
Isopentane	0.04	0.46	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.30	ppbv	V0					
Methanol	0.5	7.2	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.15	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.71	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211205272
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		725.0	mmHg		n-Heptane	0.04	0.20	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.21	ppbv	V0	n-Hexane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.18	ppbv	V0	n-Pentane	0.04	0.41	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	0.14	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.09	ppbv	V0	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.0	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.23	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.17	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.80	ppbv	V0					
Ethylbenzene	0.03	0.13	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.70	ppbv	V0					
Isopentane	0.04	0.54	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	0.08	ppbv	V0					
m,p-Xylene	0.04	0.30	ppbv	V0					
Methanol	0.5	29.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.97	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205249
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		720.4	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.63	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.18	ppbv	V0	o-Xylene	0.03	0.14	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.12	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.15	ppbv	V0	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.18	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.3	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.21	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.18	ppbv	V0					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.60	ppbv	V0					
Isopentane	0.04	0.63	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.30	ppbv	V0					
Methanol	0.5	4.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.46	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 211205260
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		709.7	mmHg		n-Heptane	0.04	0.22	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.12	ppbv	V0
1,3-Butadiene	0.03	0.07	ppbv	V0	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.18	ppbv	V0	n-Pentane	0.04	0.43	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	0.14	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.12	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.11	ppbv	V0					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.5	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.21	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.17	ppbv	V0					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.80	ppbv	V0					
Ethylbenzene	0.03	0.13	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.63	ppbv	V0					
Isopentane	0.04	0.56	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.31	ppbv	V0					
Methanol	0.5	10.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.93	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister	<b>Deployment Information</b>	<b>Set Index:</b> 1
<b>Location:</b> Anzac	<b>Samp Use:</b> Exposure	<b>WBEA ID:</b> 211205324
<b>Start Date:</b> 2021-12-18 00:00	<b>Loc ID:</b> ANZC	<b>Duration:</b> 24.0 hr
	<b>End Date:</b> 2021-12-19 00:00	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-21.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		712.6	mmHg		n-Heptane	0.04	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.29	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.07	ppbv	V0	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.15	ppbv	V0	n-Pentane	0.04	0.85	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.12	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.31	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.10	ppbv	V0					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.20	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.1	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.48	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.24	ppbv	V0					
Cyclopentane	0.02	0.13	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.08	ppbv	V0					
Isopentane	0.04	0.99	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.14	ppbv	V0					
Methylcyclopentane	0.05	0.17	ppbv	V0					
n-Butane	0.02	1.80	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

			Deployment Information		
Sample Type:	VOC Canister		Samp Use:	Exposure	Set Index: 1
Location:	Conklin		Loc ID:	CONK	WBEA ID: 211205294
Start Date:	2021-12-18 00:00		End Date:	2021-12-19 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		707.4	mmHg		n-Heptane	0.04	0.20	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.28	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.10	ppbv	V0	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.19	ppbv	V0	n-Pentane	0.04	0.58	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.12	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.23	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.17	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.10	ppbv	V0					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.20	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.1	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.31	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.23	ppbv	V0					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.08	ppbv	V0					
Isopentane	0.04	0.73	ppbv	V0					
Isoprene	0.02	0.11	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.14	ppbv	V0					
Methylcyclopentane	0.05	0.14	ppbv	V0					
n-Butane	0.02	1.57	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205286
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		714.9	mmHg		n-Heptane	0.04	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.25	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.07	ppbv	V0	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.14	ppbv	V0	n-Pentane	0.04	0.52	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.12	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.22	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.15	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.10	ppbv	V0					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.18	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.2	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.26	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.23	ppbv	V0					
Cyclopentane	0.02	0.10	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.83	ppbv	V0					
Isopentane	0.04	0.63	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.15	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
n-Butane	0.02	1.32	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
 Location: Anzac  
 Start Date: 2021-12-24 00:00

### Deployment Information

Samp Use: Exposure  
 Loc ID: ANZC  
 End Date: 2021-12-25 00:00

Set Index: 1  
 WBEA ID: 211205359  
 Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		708.2	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.37	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.9	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.07	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.51	ppbv	V0					
Isopentane	0.04	0.40	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	4.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.56	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205358	
Start Date:	2021-12-21 11:50	End Date:	2021-12-21 11:51	Duration:	0.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.09	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.7	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.08	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.28	ppbv	V0					
Methanol	0.5	0.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.04	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Athabasca Valley	Loc ID: ATHV	WBEA ID: 211205348	Duration: 24.0 hr
Start Date: 2021-12-24 00:00	End Date: 2021-12-25 00:00		

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.6	mmHg		n-Heptane	0.04	0.20	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.11	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.16	ppbv	V0	n-Pentane	0.04	0.43	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.13	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.8	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.07	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.64	ppbv	V0					
Isopentane	0.04	0.52	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.27	ppbv	V0					
Methanol	0.5	24.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.60	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: <b>VOC Canister</b> Location: <b>Barge Landing</b> Start Date: <b>2021-12-18 00:00</b>	<b>Deployment Information</b> Samp Use: <b>Exposure</b> Loc ID: <b>BARG</b> End Date: <b>2021-12-19 00:00</b>	Set Index: <b>1</b> WBEA ID: <b>211205297</b> Duration: <b>24.0 hr</b>
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### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.8	mmHg		n-Heptane	0.04	0.23	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.33	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.12	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.15	ppbv	V0
1-Butene/Isobutylene	0.06	0.20	ppbv	V0	n-Pentane	0.04	0.72	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.13	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.12	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.12	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.12	ppbv	V0	Toluene	0.03	0.22	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	0.18	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.11	ppbv	V0					
3-Methylhexane	0.02	0.14	ppbv	V0					
3-Methylpentane	0.02	0.21	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.5	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.27	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.08	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.22	ppbv	V0					
Cyclopentane	0.02	0.10	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.50	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.13	ppbv	V0					
Isopentane	0.04	0.88	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.28	ppbv	V0					
Methanol	0.5	6.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.14	ppbv	V0					
Methylcyclopentane	0.05	0.20	ppbv	V0					
n-Butane	0.02	1.75	ppbv	V0					
n-Decane	0.06	0.11	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
 Location: Barge Landing  
 Start Date: 2021-12-24 00:00

### Deployment Information

Samp Use: Exposure  
 Loc ID: BARG  
 End Date: 2021-12-25 00:00

Set Index: 1  
 WBEA ID: 211205397  
 Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-27.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.5	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.46	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.22	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.17	ppbv	V0	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.23	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.6	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.07	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	0.10	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.74	ppbv	V0					
Isopentane	0.04	0.67	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	3.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.53	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: **VOC Canister**  
Location: **Bertha Ganter - Fort McKay**  
Start Date: **2021-12-18 00:00**

Deployment Information  
Samp Use: **Exposure**  
Loc ID: **BGFM**  
End Date: **2021-12-19 00:00**

Set Index: **1**  
WBEA ID: **211205318**  
Duration: **24.0 hr**

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.2	mmHg		n-Heptane	0.04	0.27	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.29	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.12	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.19	ppbv	V0
1-Butene/Isobutylene	0.06	0.23	ppbv	V0	n-Pentane	0.04	0.70	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.15	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.14	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.12	ppbv	V0	o-Xylene	0.03	0.19	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.12	ppbv	V0	Toluene	0.03	0.28	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.12	ppbv	V0					
2-Methylpentane	0.02	0.17	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.12	ppbv	V0					
3-Methylhexane	0.02	0.14	ppbv	V0					
3-Methylpentane	0.02	0.20	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.8	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.34	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.08	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.25	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.10	ppbv	V0					
Ethylbenzene	0.03	0.21	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.18	ppbv	V0					
Isopentane	0.04	0.89	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.30	ppbv	V0					
Methanol	0.5	6.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.19	ppbv	V0					
Methylcyclopentane	0.05	0.20	ppbv	V0					
n-Butane	0.02	1.72	ppbv	V0					
n-Decane	0.06	0.11	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205388	
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.0	mmHg		n-Heptane	0.04	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.12	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.14	ppbv	V0	n-Pentane	0.04	0.29	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.12	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.15	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.13	ppbv	V0	Toluene	0.03	0.20	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.16	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.5	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.07	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.87	ppbv	V0					
Isopentane	0.04	0.59	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.27	ppbv	V0					
Methanol	0.5	8.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.73	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
Location: Conklin  
Start Date: 2021-12-24 00:00

### Deployment Information

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-12-25 00:00

Set Index: 1  
WBEA ID: 211205367  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		702.8	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.34	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.09	ppbv	V0	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.7	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.07	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.70	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.49	ppbv	V0					
Isopentane	0.04	0.37	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	3.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.55	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: VOC Canister  
Location: Ells River  
Start Date: 2021-12-18 00:00

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-12-19 00:00

Set Index: 1  
WBEA ID: 211205279  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.7	mmHg		n-Heptane	0.04	0.20	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.20	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.12	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.19	ppbv	V0	n-Pentane	0.04	0.66	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.13	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.14	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.13	ppbv	V0	Toluene	0.03	0.22	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.11	ppbv	V0					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	0.18	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	9.4	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.23	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.07	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.22	ppbv	V0					
Cyclopentane	0.02	0.10	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.25	ppbv	V0					
Isopentane	0.04	0.90	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.28	ppbv	V0					
Methanol	0.5	4.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.14	ppbv	V0					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	1.69	ppbv	V0					
n-Decane	0.06	0.12	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Information		Deployment Information	
Sample Type:	VOC Canister	Samp Use:	Exposure
Location:	Ells River	Loc ID:	ELSR
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00
		Set Index:	1
		WBEA ID:	211205391
		Duration:	24.0 hr

Notes

None

Data									
Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		725.7	mmHg		n-Heptane	0.04	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.12	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.21	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.13	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.5	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.07	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.00	ppbv	V0					
Isopentane	0.04	0.54	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	2.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.56	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
 Location: Fort McKay South  
 Start Date: 2021-12-18 00:00

Deployment Information  
 Samp Use: Exposure  
 Loc ID: FMCS  
 End Date: 2021-12-19 00:00

Set Index: 1  
 WBEA ID: 211205275  
 Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.4	mmHg		n-Heptane	0.04	0.34	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.29	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.13	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.24	ppbv	V0
1-Butene/Isobutylene	0.06	0.23	ppbv	V0	n-Pentane	0.04	0.66	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.15	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.13	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	0.19	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.36	ppbv	V0
2,3-Dimethylpentane	0.02	0.10	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.20	ppbv	V0					
2-Methylhexane	0.03	0.13	ppbv	V0					
2-Methylpentane	0.02	0.15	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.14	ppbv	V0					
3-Methylhexane	0.02	0.17	ppbv	V0					
3-Methylpentane	0.02	0.19	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.3	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.32	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.08	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.26	ppbv	V0					
Cyclopentane	0.02	0.10	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	0.21	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.96	ppbv	V0					
Isopentane	0.04	0.77	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.31	ppbv	V0					
Methanol	0.5	5.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.23	ppbv	V0					
Methylcyclopentane	0.05	0.21	ppbv	V0					
n-Butane	0.02	1.49	ppbv	V0					
n-Decane	0.06	0.11	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: **VOC Canister**  
 Location: **Fort McKay South**  
 Start Date: **2021-12-24 00:00**

### Deployment Information

Samp Use: **Exposure**  
 Loc ID: **FMCS**  
 End Date: **2021-12-25 00:00**

Set Index: **1**  
 WBEA ID: **211205394**  
 Duration: **24.0 hr**

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.2	mmHg		n-Heptane	0.04	0.22	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.12	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.16	ppbv	V0
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.28	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.12	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.11	ppbv	V0					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.9	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.50	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.64	ppbv	V0					
Isopentane	0.04	0.38	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.27	ppbv	V0					
Methanol	0.5	5.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.49	ppbv	V0					
n-Decane	0.06	0.11	ppbv	V0					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1	
Location:	Janvier	Samp Use:	Exposure	WBEA ID:	211205373
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		707.2	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.14	ppbv	V0	n-Pentane	0.04	0.36	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.09	ppbv	V0	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.7	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.07	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.50	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.48	ppbv	V0					
Isopentane	0.04	0.40	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	3.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.61	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211205341
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		717.5	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.69	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.15	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.17	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.18	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.2	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.07	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.56	ppbv	V0					
Isopentane	0.04	0.59	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	3.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.55	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister  
Location: Anzac  
Start Date: 2021-12-30 00:00

### Deployment Information

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-12-31 00:00

Set Index: 1  
WBEA ID: 211205470  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-29.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		711.5	mmHg		n-Heptane	0.04	0.28	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.06	ppbv	V0	n-Octane	0.02	0.18	ppbv	V0
1-Butene/Isobutylene	0.06	0.20	ppbv	V0	n-Pentane	0.04	0.98	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.13	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.12	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.19	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.13	ppbv	V0	Toluene	0.03	0.24	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.09	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.19	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.12	ppbv	V0					
3-Methylhexane	0.02	0.13	ppbv	V0					
3-Methylpentane	0.02	0.20	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.7	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.07	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.75	ppbv	V0					
Isopentane	0.04	0.98	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	5.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.16	ppbv	V0					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	1.00	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Athabasca Valley	Loc ID: ATHV	WBEA ID: 211205463	
Start Date: 2021-12-30 00:00	End Date: 2021-12-31 00:00	Duration: 24.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-31.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.0	mmHg		n-Heptane	0.04	0.23	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.26	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.07	ppbv	V0	n-Octane	0.02	0.15	ppbv	V0
1-Butene/Isobutylene	0.06	0.23	ppbv	V0	n-Pentane	0.04	0.57	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.13	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.13	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.26	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.10	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	0.15	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.11	ppbv	V0					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	0.19	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.3	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.08	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	0.10	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.83	ppbv	V0					
Isopentane	0.04	0.87	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.27	ppbv	V0					
Methanol	0.5	26.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.14	ppbv	V0					
n-Butane	0.02	1.24	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister		<b>Deployment Information</b>		<b>Set Index:</b> 1
<b>Location:</b> Barge Landing		<b>Samp Use:</b> Exposure	<b>Loc ID:</b> BARG	<b>WBEA ID:</b> 211205451
<b>Start Date:</b> 2021-12-30 00:00		<b>End Date:</b> 2021-12-31 00:00	<b>Duration:</b> 24.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-31.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		750.1	mmHg		n-Heptane	0.04	0.22	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.09	ppbv	V0	n-Octane	0.02	0.15	ppbv	V0
1-Butene/Isobutylene	0.06	0.19	ppbv	V0	n-Pentane	0.04	0.72	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.13	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.12	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.18	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.16	ppbv	V0	Toluene	0.03	0.23	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.10	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.19	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.11	ppbv	V0					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	0.27	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.5	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.21	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.08	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.86	ppbv	V0					
Isopentane	0.04	1.20	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.27	ppbv	V0					
Methanol	0.5	4.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	0.90	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205505
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-34.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.5	mmHg		n-Heptane	0.04	0.23	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.09	ppbv	V0	n-Octane	0.02	0.15	ppbv	V0
1-Butene/Isobutylene	0.06	0.22	ppbv	V0	n-Pentane	0.04	0.63	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.14	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.13	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.16	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.15	ppbv	V0	Toluene	0.03	0.24	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.10	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.17	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.11	ppbv	V0					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	0.23	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.8	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.24	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.08	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.91	ppbv	V0					
Isopentane	0.04	0.97	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.28	ppbv	V0					
Methanol	0.5	5.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	0.91	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 211205482
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-29.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		705.8	mmHg		n-Heptane	0.04	0.23	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.88	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.06	ppbv	V0	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.18	ppbv	V0	n-Pentane	0.04	0.88	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.38	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.17	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.12	ppbv	V0	o-Xylene	0.03	0.21	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.14	ppbv	V0	Toluene	0.03	0.51	ppbv	V0
2,3-Dimethylpentane	0.02	0.14	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.11	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.12	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.14	ppbv	V0					
2-Methylpentane	0.02	0.28	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.11	ppbv	V0					
3-Methylhexane	0.02	0.15	ppbv	V0					
3-Methylpentane	0.02	0.43	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	10.1	ppbv	V0					
Acetone	0.40	1.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.22	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.09	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.26	ppbv	V0					
Cyclopentane	0.02	0.17	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.00	ppbv	V0					
Ethylbenzene	0.03	0.22	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.35	ppbv	V0					
Isopentane	0.04	2.02	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	3.90	ppbv	V4					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.37	ppbv	V0					
Methanol	0.5	52.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.31	ppbv	V0					
n-Butane	0.02	2.69	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: VOC Canister  
 Location: Conklin  
 Start Date: 2021-12-29 10:10

Samp Use: Field Procedure Blank  
 Loc ID: CONK  
 End Date: 2021-12-29 10:11

Set Index: 1  
 WBEA ID: 211205481  
 Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.07	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.05	ppbv	V0					
Isopentane	0.04	0.07	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.03	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

<b>Sample Type:</b> VOC Canister		<b>Deployment Information</b>		<b>Set Index:</b> 1
<b>Location:</b> Ells River		<b>Samp Use:</b> Exposure	<b>Loc ID:</b> ELSR	<b>WBEA ID:</b> 211205508
<b>Start Date:</b> 2021-12-30 00:00		<b>End Date:</b> 2021-12-31 00:00	<b>Duration:</b> 24.0 hr	

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-33.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.4	mmHg		n-Heptane	0.04	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	1.85	ppbv	V4
1-Hexene/2-Methyl-1-pentene	0.07	0.13	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.28	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.22	ppbv	V0	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.09	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.41	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.10	ppbv	V0					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.41	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.2	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	0.23	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.82	ppbv	V0					
Isopentane	0.04	1.72	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	2.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.61	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	211205511
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-33.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.5	mmHg		n-Heptane	0.04	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.06	ppbv	V0	n-Octane	0.02	0.15	ppbv	V0
1-Butene/Isobutylene	0.06	0.16	ppbv	V0	n-Pentane	0.04	0.63	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.13	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.14	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.13	ppbv	V0	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.08	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.11	ppbv	V0					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.18	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.4	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	0.10	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.72	ppbv	V0					
Isopentane	0.04	0.76	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.27	ppbv	V0					
Methanol	0.5	4.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.65	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205488
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-30.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		711.1	mmHg		n-Heptane	0.04	0.20	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.06	ppbv	V0	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.19	ppbv	V0	n-Pentane	0.04	0.47	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.13	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.14	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	0.19	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.23	ppbv	V0
2,3-Dimethylpentane	0.02	0.10	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.12	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.11	ppbv	V0					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	0.17	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.6	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.08	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.60	ppbv	V0					
Isopentane	0.04	0.66	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.29	ppbv	V0					
Methanol	0.5	3.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	0.98	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211205457
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-32.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		722.2	mmHg		n-Heptane	0.04	0.26	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.09	ppbv	V0	n-Octane	0.02	0.18	ppbv	V0
1-Butene/Isobutylene	0.06	0.27	ppbv	V0	n-Pentane	0.04	1.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.12	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.12	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.16	ppbv	V0	o-Xylene	0.03	0.19	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.14	ppbv	V0	Toluene	0.03	0.26	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.10	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	0.22	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.12	ppbv	V0					
3-Methylhexane	0.02	0.14	ppbv	V0					
3-Methylpentane	0.02	0.22	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.7	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.23	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.09	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	0.21	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.74	ppbv	V0					
Isopentane	0.04	1.00	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.29	ppbv	V0					
Methanol	0.5	5.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.16	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	0.98	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 211205334
Start Date:	2021-12-17 16:20	End Date:	2021-12-17 16:21	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.10	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.23	ppbv	V0					
Methanol	0.5	1.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211205335
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-22.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.8	mmHg		n-Heptane	0.04	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.15	ppbv	V0	n-Hexane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.21	ppbv	V0	n-Pentane	0.04	0.50	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.12	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	0.14	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.12	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.22	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.09	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.1	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.27	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.80	ppbv	V0					
Ethylbenzene	0.03	0.13	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.87	ppbv	V0					
Isopentane	0.04	0.72	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	15.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.14	ppbv	V0					
n-Butane	0.02	1.37	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211205305
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		720.6	mmHg		n-Heptane	0.04	0.22	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.15	ppbv	V0	n-Hexane	0.03	0.25	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.20	ppbv	V0	n-Pentane	0.04	0.62	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.12	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	0.14	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.12	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.22	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.09	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.13	ppbv	V0					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.6	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.32	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.22	ppbv	V0					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.90	ppbv	V0					
Ethylbenzene	0.03	0.13	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.10	ppbv	V0					
Isopentane	0.04	0.90	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	7.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.16	ppbv	V0					
n-Butane	0.02	1.72	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



## **WOOD BUFFALO ENVIRONMENTAL ASSOCIATION**

### **INTEGRATED MONITORING PROGRAM ANNUAL REPORT**

### **PARTICULATE MATTER 2.5 – IONS PARTICULATE MATTER 10 – IONS PARTICULATE MATTER 2.5 – ELEMENTS PARTICULATE MATTER 10 – ELEMENTS DATA RESULTS 2021**

Prepared  
March 2022

#### **SAMPLE COLLECTION AND DATA COMPILATION BY:**

**Wood Buffalo Environmental Association**  
Fort McMurray, Alberta

#### **LABORATORY ANALYSIS BY:**

PM: Desert Research Institute  
Reno, NV



CONTENTS DESCRIPTION	Results of Partisol Sampler Measurements of Mass, Ions by IC and Elements by ICP-MS
SAMPLE PERIOD	24 hour
SAMPLING INTERVAL	Once every 6 days
UNITS	$\mu\text{g}/\text{m}^3$ (microgram per cubic meter)
OBSERVATION TYPE	Particles
FIELD SAMPLING OR MEASUREMENT PRINCIPLE	Filtration with $\text{PM}_{10}$ Inlet for $\text{PM}_{10}$ and with $\text{PM}_{10}$ Inlet/Very Sharp Cut Cyclone for $\text{PM}_{2.5}$
PARTICLE DIAMETER	$< 2.5 \mu\text{m}$ or $< 10 \mu\text{m}$
MEDIUM	47 mm Teflon Filter
ANALYTICAL METHODS	MASS by Microbalance ELEMENTS by Inductively Coupled Plasma Mass Spectrometry (ICP/MS) IONS by Ion Chromatography (IC)
SAMPLE PREPARATION	DI Water extraction for IC analysis and Acid Digestion for ICP/MS Analysis
ANALYTICAL LABORATORY	Desert Research Institute
USER NOTE 1	Data are not blank corrected
USER NOTE 2	Volume is given at actual conditions of temperature and pressure during sampling as measured by the sampler
USER NOTE 3	Blank sample concentration ( $\mu\text{g}/\text{m}^3$ ) is calculated using expected actual volume of sampler
USER NOTE 4	Partisols for $\text{PM}_{2.5}$ at AMS 15 occasionally samples 24.1 $\text{m}^3$ despite being set for 24 $\text{m}^3$ . Flow has been calibrated. Reason for this behaviour is unknown.
USER NOTE 5	Values flagged V1 are displayed as -8888
VOLUME STANDARDIZATION	Actual Volume at Ambient Conditions (since 01-Jan-2011)
SAMPLING INSTRUMENT TYPE	For $\text{PM}_{10}$ FRM Partisol $\text{PM}_{10}$ sampler For $\text{PM}_{2.5}$ FRM Partisol $\text{PM}_{2.5}$ sampler
FLAGS USED	
V0	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V4	Valid value despite failing to meet some QC or statistical criteria
V5	Valid value but qualified because of possible contamination
V6	Valid value but qualified due to non-standard sampling conditions
M1	Missing value because no value is available
M2	Missing value because invalidated by Data Originator





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100026
Start Date:	2021-01-03 12:30	End Date:	2021-01-03 12:31	Duration:	0.0 hr

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### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

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### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0001	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0002	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0009	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	21010000
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

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### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C	
Pressure		705.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0051	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0014	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0017	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0171	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0088	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0025	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0792	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.3922	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.5230	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-01-04 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-01-05 00:00

Set Index: 1  
WBEA ID: 210100013  
Duration: 24.0 hr

---

### Notes

Warning alarm on Partisol of Temp Diff (R1) and sample Period (P) during sample collection: Valid= 01:55; Total=24:00

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		727.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0159	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0031	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0028	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0761	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0196	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0016	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.7025	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.8756	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.8408	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100022
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

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### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.7	°C	
Pressure		699.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0049	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0046	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0010	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0250	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0101	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0053	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0337	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4305	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1377	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-01-04 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-01-05 00:00

Set Index: 1  
WBEA ID: 210100030  
Duration: 24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		718.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0191	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0030	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0039	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0266	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0291	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0012	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.0936	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	2.3692	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	1.1132	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100043
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

---

### Notes

Partisol says sample ran, but this filter does not look as dark as other filters collection at this station. Confirmed leak at V-seals. Fixed leak.  
Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 01:00.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		724.9	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Calcium Ion	0.0021	-9999	µg/m <sup>3</sup>	M2
Chloride Ion	0.0014	-9999	µg/m <sup>3</sup>	M2
Magnesium Ion	0.00005	-9999	µg/m <sup>3</sup>	M2
Potassium Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Sodium Ion	0.0006	-9999	µg/m <sup>3</sup>	M2
Fluoride Ion	0.00001	-9999	µg/m <sup>3</sup>	M2
Nitrate Ion	0.0002	-9999	µg/m <sup>3</sup>	M2
Sulphate Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Phosphate Ion	0.0018	-9999	µg/m <sup>3</sup>	M2
Ammonium Ion	0.00004	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210100055
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		708.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0059	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0014	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0013	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0139	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0091	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0042	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0368	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9438	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3513	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210100112
Start Date:	2021-01-07 15:05	End Date:	2021-01-07 15:06	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.0021	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0002	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0003	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0012	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0009	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100065
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.4	°C	
Pressure		710.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0044	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0041	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0014	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0196	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0186	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0082	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1552	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1716	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0529	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100072
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 22:52.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.2	°C	
Pressure		728.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0075	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0057	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0022	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0868	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0191	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0059	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.0077	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8976	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.5489	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210100085
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.5	°C	
Pressure		724.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0058	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0291	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0020	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0504	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0252	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0062	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.7788	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2323	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2441	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-01-10 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-01-11 00:00

Set Index: 1  
WBEA ID: 210100090  
Duration: 24.0 hr

---

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 01:00.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C	
Pressure		732.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0035	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0048	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0014	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0206	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0174	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0028	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.6387	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1878	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1923	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Conklin  
Start Date: 2021-01-10 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-01-11 00:00

Set Index: 1  
WBEA ID: 210100102  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.1	°C	
Pressure		706.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	14.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0072	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0044	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0022	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0454	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0166	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0050	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	4.5368	µg/m <sup>3</sup>	V4
Sulphate Ion	0.0001	0.5326	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	1.4661	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210100114
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.5	°C	
Pressure		714.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.583	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0104	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0035	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0027	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0395	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0195	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0032	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	3.3115	µg/m <sup>3</sup>	V4
Sulphate Ion	0.0001	0.4367	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	1.0426	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

		Deployment Information		
Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210100140
Start Date:	2021-01-11 14:40	End Date:	2021-01-11 14:41	Duration: 0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.0016	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0002	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0005	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0014	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100126
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.8	°C	
Pressure		706.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0022	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0269	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0008	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0024	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0148	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0177	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.0297	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0001	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210100133
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

---

### Notes

Accidentally dropped cassette upon collection of the sample. Filter did not come in contact with the ground.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.5	°C	
Pressure		713.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0024	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0079	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0009	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0081	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0092	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0219	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1597	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0288	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100149
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 04:37.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.0	°C	
Pressure		729.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0046	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0013	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0069	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0063	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0236	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3243	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0936	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100160
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.8	°C	
Pressure		710.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0032	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0018	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0007	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0107	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0057	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0312	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3647	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1038	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-01-16 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-01-17 00:00

Set Index: 1  
WBEA ID: 210100164  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.4	°C	
Pressure		732.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0154	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0053	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0021	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0566	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0156	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.4709	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3544	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1818	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210100169
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.7	°C	
Pressure		724.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0050	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0034	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0013	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0196	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0082	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.4547	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4030	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2245	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210100245
Start Date:	2021-01-20 15:00	End Date:	2021-01-20 15:01	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0003	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0003	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0011	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0009	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100194
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 10:43.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		735.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0090	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0732	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0055	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0015	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0618	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0013	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1623	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.0948	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0072	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100202
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C	
Pressure		708.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0047	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0135	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0025	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0059	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0216	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0021	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0659	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3243	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0866	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210100210
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C	
Pressure		717.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0064	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0149	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0034	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0022	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0302	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0024	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0785	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9096	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3066	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM2.5 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-01-22 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-01-23 00:00**

Set Index: **1**  
WBEA ID: **210100234**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		-16.0	°C	
Pressure		737.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0172	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0176	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0054	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0161	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0551	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0021	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.4524	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1487	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0541	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Anzac  
Start Date: 2021-01-22 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-01-23 00:00

Set Index: 1  
WBEA ID: 210100239  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C	
Pressure		715.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0071	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0076	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0039	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0027	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0408	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0011	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1796	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3122	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0774	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-01-22 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-01-23 00:00

Set Index: 1  
WBEA ID: 210100251  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		730.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0148	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0140	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0056	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0271	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0538	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0033	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.8482	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2200	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2004	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210100302
Start Date:	2021-01-27 12:00	End Date:	2021-01-27 12:01	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.0017	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0001	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0002	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0012	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.0002	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100259
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 03:08.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		736.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0134	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0034	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0024	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0042	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0130	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0018	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2223	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.7763	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.6480	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100275
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		716.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0059	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0025	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0011	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0103	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0093	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0031	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2379	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5508	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2326	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100282
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C	
Pressure		710.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0043	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0017	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0008	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0054	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0070	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1096	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3598	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1226	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-01-28 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-01-29 00:00

Set Index: 1  
WBEA ID: 210100287  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		739.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0084	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0028	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0018	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0142	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0169	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2824	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.5316	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.5930	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210100295
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		719.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0035	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0019	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0012	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0110	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0126	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1887	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5742	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2311	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-01-28 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-01-29 00:00

Set Index: 1  
WBEA ID: 210100307  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		732.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0053	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0039	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0013	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0069	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0145	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.9038	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9363	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.5666	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100339
Start Date:	2021-01-29 11:45	End Date:	2021-01-29 11:46	Duration:	0.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0003	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0010	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100343
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		715.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0184	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0136	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0045	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0190	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0122	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0001	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2399	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.8361	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.5993	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-02-03 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-02-04 00:00

Set Index: 1  
WBEA ID: 210100351  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		739.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3021	µg/m <sup>3</sup>	V4
Chloride Ion	0.0014	0.0281	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0062	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0189	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0355	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.4273	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.8431	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.5929	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-02-03 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-02-04 00:00

Set Index: 1  
WBEA ID: 210100360  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		731.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1217	µg/m <sup>3</sup>	V4
Chloride Ion	0.0014	0.0100	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0038	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0120	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0247	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.5748	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.7850	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.7193	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200369
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 07:14.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		736.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0069	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0013	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0019	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0105	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0374	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3972	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0944	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200386
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		709.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0119	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0037	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0010	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0058	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0079	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0157	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.3882	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4492	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200395
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		718.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0354	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0028	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0021	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0101	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0125	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0668	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.2910	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4325	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200413
Start Date:	2021-02-05 11:50	End Date:	2021-02-05 11:51	Duration:	0.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.0057	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0003	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0059	µg/m <sup>3</sup>	V4
Sodium Ion	0.0006	0.0022	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0005	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0067	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210200402
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		738.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0148	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.4551	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0241	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0050	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2360	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1554	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3107	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0508	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Conklin  
Start Date: 2021-02-09 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-02-10 00:00

Set Index: 1  
WBEA ID: 210200409  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		715.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0104	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.3114	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0123	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0071	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1665	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0001	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1286	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2755	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0398	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200422
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		724.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0221	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.4005	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0141	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0079	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1950	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0018	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1358	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2941	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0370	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200438
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 01:00.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		742.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0209	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.4815	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0222	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0143	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2312	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0006	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1683	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2294	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0265	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210200445
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		721.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0109	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.4041	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0144	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0033	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2043	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1571	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3104	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0502	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-02-09 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-02-10 00:00

Set Index: 1  
WBEA ID: 210200450  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		745.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0171	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.4703	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0211	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0086	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2398	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0004	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1638	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3108	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0472	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200482
Start Date:	2021-02-10 13:44	End Date:	2021-02-10 13:45	Duration:	0.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0049	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0023	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0004	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0010	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0009	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210200461
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		712.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0053	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0035	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0026	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0275	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0264	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0003	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1763	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5275	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1399	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200465
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		707.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0069	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0063	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0047	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0077	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0266	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0021	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1721	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4414	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1376	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-02-15 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-02-16 00:00

Set Index: 1  
WBEA ID: 210200471  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		735.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0066	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0032	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0033	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0260	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0460	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.4035	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5341	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1967	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200484
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		716.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0042	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0018	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0043	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0022	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0228	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1132	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4189	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1229	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210200490
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		727.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0041	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0037	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0022	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0256	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0358	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0022	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3871	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5287	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1976	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200500
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample partisol had temp diff and and sample period status codes. Total sampling time = 24:00, Valid sampling time = 10:59.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		732.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0763	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0084	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0066	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0079	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0465	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0026	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.4434	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9768	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3415	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200518
Start Date:	2021-02-16 14:10	End Date:	2021-02-16 14:11	Duration:	0.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.0014	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0002	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0008	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200524
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.1	°C	
Pressure		712.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0052	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0031	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0009	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0047	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0054	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1020	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4192	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1189	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200537
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.2	°C	
Pressure		690.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0024	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0039	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0007	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0012	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0045	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0055	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.0680	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0009	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200543
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.8	°C	
Pressure		697.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0025	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0050	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0006	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0006	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0048	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0133	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.0636	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0004	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210200552
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.8	°C	
Pressure		694.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0042	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0060	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0008	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0004	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0032	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0024	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0005	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.0615	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0001	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-02-21 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-02-22 00:00

Set Index: 1  
WBEA ID: 210200557  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.7	°C	
Pressure		703.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0033	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0073	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0005	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0010	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0046	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0060	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.0526	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0002	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-02-21 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-02-22 00:00

Set Index: 1  
WBEA ID: 210200580  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.5	°C	
Pressure		714.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0039	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0843	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0004	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0036	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0436	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0254	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.0584	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0004	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210200617
Start Date:	2021-02-24 15:50	End Date:	2021-02-24 15:51	Duration:	0.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0026	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0021	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0006	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0008	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0029	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200564
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-22.0	°C	
Pressure		735.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0293	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0540	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0108	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0141	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0984	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.4175	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9999	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2974	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210200586
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		713.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0108	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0174	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0053	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0059	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0548	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0003	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1923	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6015	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1695	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200592
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		715.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0023	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0165	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0023	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0080	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0419	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1383	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2947	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0509	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-02-27 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-02-28 00:00

Set Index: 1  
WBEA ID: 210200598  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		736.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0399	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0367	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0110	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0155	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1155	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0046	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.6594	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.3458	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4761	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Conklin  
Start Date: 2021-02-27 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-02-28 00:00

Set Index: 1  
WBEA ID: 210200612  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		707.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0091	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0140	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0033	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0057	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0339	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0034	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1252	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2940	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0558	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210200621
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		728.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0226	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0079	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0116	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0095	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0805	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.6525	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.4359	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.5385	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210300662
Start Date:	2021-03-01 13:40	End Date:	2021-03-01 13:41	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.0022	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0002	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0010	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0002	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0979	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210300655
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.1	°C	
Pressure		717.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0063	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0032	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0402	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0098	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0012	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.6072	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.5902	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.6482	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-03-05 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-03-06 00:00

Set Index: 1  
WBEA ID: 210300665  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.0	°C	
Pressure		733.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0113	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0016	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0008	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0206	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0195	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0030	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.7900	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.7132	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.7514	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-03-05 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-03-06 00:00

Set Index: 1  
WBEA ID: 210300674  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.1	°C	
Pressure		724.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0079	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0017	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0245	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0146	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0028	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.8325	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.6342	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.7401	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210300685
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.3	°C	
Pressure		714.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.583	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0073	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0029	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0004	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0300	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0126	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0005	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3146	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.1439	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4010	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210300693
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.0	°C	
Pressure		706.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0090	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0019	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0213	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0145	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0017	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.4588	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.2845	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4938	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300703
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 02:13.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.4	°C	
Pressure		733.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0125	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0010	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0114	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0145	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0036	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.4641	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.6575	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.6620	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210300720
Start Date:	2021-03-08 14:25	End Date:	2021-03-08 14:26	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0002	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0007	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0002	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210300724
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.9	°C	
Pressure		713.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0069	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0030	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0013	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0063	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0203	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0008	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1759	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5567	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1158	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: **PM2.5 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-03-11 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-03-12 00:00**

Set Index: **1**  
WBEA ID: **210300730**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		-9.4	°C	
Pressure		735.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0090	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0416	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0022	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0048	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0826	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0015	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3237	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5577	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1214	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210300741
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.6	°C	
Pressure		726.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0063	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0155	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0017	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0017	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0393	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0030	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2329	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5200	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1189	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300752
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 01:00.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C	
Pressure		734.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0243	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0063	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0035	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0085	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0559	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0029	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3454	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.8597	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.5990	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210300768
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

---

### Notes

PM data appears blank compared to other samplers. Reason unknown.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.2	°C	
Pressure		707.4	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Calcium Ion	0.0021	-9999	µg/m <sup>3</sup>	M2
Chloride Ion	0.0014	-9999	µg/m <sup>3</sup>	M2
Magnesium Ion	0.00005	-9999	µg/m <sup>3</sup>	M2
Potassium Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Sodium Ion	0.0006	-9999	µg/m <sup>3</sup>	M2
Fluoride Ion	0.00001	-9999	µg/m <sup>3</sup>	M2
Nitrate Ion	0.0002	-9999	µg/m <sup>3</sup>	M2
Sulphate Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Phosphate Ion	0.0018	-9999	µg/m <sup>3</sup>	M2
Ammonium Ion	0.00004	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210300777
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.7	°C	
Pressure		716.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0172	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1986	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0028	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0039	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1717	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.3015	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6094	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1251	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210300826
Start Date:	2021-03-16 11:00	End Date:	2021-03-16 11:01	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0027	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0003	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0008	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0002	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0611	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-03-17 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-03-18 00:00

Set Index: 1  
WBEA ID: 210300784  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.3	°C	
Pressure		735.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0482	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1880	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0037	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0091	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1295	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0033	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2696	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6521	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1337	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Anzac  
Start Date: 2021-03-17 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-03-18 00:00

Set Index: 1  
WBEA ID: 210300790  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.3	°C	
Pressure		714.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0115	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0018	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0015	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0041	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0068	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0035	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1168	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6418	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1507	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-03-17 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-03-18 00:00

Set Index: 1  
WBEA ID: 210300795  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.1	°C	
Pressure		726.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0257	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0434	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0027	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0080	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0344	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0012	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1728	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6478	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1369	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300811
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

---

### Notes

Warning alarm of Temperature Difference. Valid=02:35 , Total= 24:00

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.8	°C	
Pressure		734.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0338	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0088	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0030	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0151	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0184	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0018	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2262	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.0374	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2865	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210300830
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

---

### Notes

PM data appears blank compared to other samplers. Reason unknown.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.3	°C	
Pressure		708.2	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Calcium Ion	0.0021	-9999	µg/m <sup>3</sup>	M2
Chloride Ion	0.0014	-9999	µg/m <sup>3</sup>	M2
Magnesium Ion	0.00005	-9999	µg/m <sup>3</sup>	M2
Potassium Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Sodium Ion	0.0006	-9999	µg/m <sup>3</sup>	M2
Fluoride Ion	0.00001	-9999	µg/m <sup>3</sup>	M2
Nitrate Ion	0.0002	-9999	µg/m <sup>3</sup>	M2
Sulphate Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Phosphate Ion	0.0018	-9999	µg/m <sup>3</sup>	M2
Ammonium Ion	0.00004	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210300838
Start Date:	2021-03-19 14:00	End Date:	2021-03-20 14:00	Duration:	24.0 hr

---

### Notes

Sample did not run on NAPS day. Reset to run on March 19th at 14:00 MST to March 20th at 14:00 MST.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.7	°C	
Pressure		707.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0045	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0138	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0007	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0052	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0090	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0013	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1000	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2058	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0035	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210300920
Start Date:	2021-03-22 12:05	End Date:	2021-03-23 12:06	Duration:	24.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0024	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0017	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0003	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0008	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210300868
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		719.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0262	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0529	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0065	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0034	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0824	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0015	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2745	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7160	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1404	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-03-23 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-03-24 00:00

Set Index: 1  
WBEA ID: 210300875  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.6	°C	
Pressure		741.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0694	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2948	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0138	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0060	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2224	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.3477	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6734	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0949	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210300879
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C	
Pressure		734.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0522	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1958	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0132	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0053	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1690	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.4364	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7008	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1204	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210300887
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

---

### Notes

PM data appears blank compared to other samplers. Reason unknown.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.9	°C	
Pressure		712.4	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Calcium Ion	0.0021	-9999	µg/m <sup>3</sup>	M2
Chloride Ion	0.0014	-9999	µg/m <sup>3</sup>	M2
Magnesium Ion	0.00005	-9999	µg/m <sup>3</sup>	M2
Potassium Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Sodium Ion	0.0006	-9999	µg/m <sup>3</sup>	M2
Fluoride Ion	0.00001	-9999	µg/m <sup>3</sup>	M2
Nitrate Ion	0.0002	-9999	µg/m <sup>3</sup>	M2
Sulphate Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Phosphate Ion	0.0018	-9999	µg/m <sup>3</sup>	M2
Ammonium Ion	0.00004	-9999	µg/m <sup>3</sup>	M2





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210300924
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.8	°C	
Pressure		721.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0130	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0446	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0052	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0040	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0788	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2784	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6734	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1310	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300938
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 02:56.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		742.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1825	µg/m <sup>3</sup>	V4
Chloride Ion	0.0014	0.2157	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0219	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0047	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1794	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0033	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.4189	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.1233	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2491	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

		Deployment Information		
Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210301026
Start Date:	2021-03-26 10:45	End Date:	2021-03-26 10:46	Duration: 0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0034	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0015	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0006	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0011	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210300987
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.4	°C	
Pressure		733.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0358	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0147	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0039	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0020	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0439	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2375	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8633	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2167	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-03-29 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-03-30 00:00

Set Index: 1  
WBEA ID: 210300995  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.9	°C	
Pressure		725.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0745	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0352	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0072	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0025	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0628	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0005	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2567	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.1106	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3129	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210301001
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.5	°C	
Pressure		711.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0782	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0159	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0072	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0037	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0440	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0023	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2376	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.1042	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2527	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210301007
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had ambient, filter temp, and elect temp status codes. Both filter temp and ambient temp had minimum values of -99 C. Codes likely the result of a power outage at site.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		711.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0200	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0048	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0032	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0005	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0337	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0001	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2177	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7842	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2013	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210301018
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

---

### Notes

PM data appears blank compared to other samplers. Reason unknown.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.2	°C	
Pressure		703.2	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Calcium Ion	0.0021	-9999	µg/m <sup>3</sup>	M2
Chloride Ion	0.0014	-9999	µg/m <sup>3</sup>	M2
Magnesium Ion	0.00005	-9999	µg/m <sup>3</sup>	M2
Potassium Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Sodium Ion	0.0006	-9999	µg/m <sup>3</sup>	M2
Fluoride Ion	0.00001	-9999	µg/m <sup>3</sup>	M2
Nitrate Ion	0.0002	-9999	µg/m <sup>3</sup>	M2
Sulphate Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Phosphate Ion	0.0018	-9999	µg/m <sup>3</sup>	M2
Ammonium Ion	0.00004	-9999	µg/m <sup>3</sup>	M2





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210301030
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 01:00.

Upon collection of the sample, filter cassette was frozen/stuck on V-seal. Some damage to filter resulted in getting cassette free.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C	
Pressure		734.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0500	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0038	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0052	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0027	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0394	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2093	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5809	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0284	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401129
Start Date:	2021-04-01 14:30	End Date:	2021-04-01 14:31	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.0025	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0002	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0008	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0722	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210301077
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.7	°C	
Pressure		732.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0891	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0039	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0010	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0050	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0158	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0023	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1743	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.3186	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4499	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Conklin  
Start Date: 2021-04-04 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-04-05 00:00

Set Index: 1  
WBEA ID: 210301096  
Duration: 24.0 hr

---

### Notes

PM data appears blank compared to other samplers. Reason unknown.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.8	°C	
Pressure		704.4	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Calcium Ion	0.0021	-9999	µg/m <sup>3</sup>	M2
Chloride Ion	0.0014	-9999	µg/m <sup>3</sup>	M2
Magnesium Ion	0.00005	-9999	µg/m <sup>3</sup>	M2
Potassium Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Sodium Ion	0.0006	-9999	µg/m <sup>3</sup>	M2
Fluoride Ion	0.00001	-9999	µg/m <sup>3</sup>	M2
Nitrate Ion	0.0002	-9999	µg/m <sup>3</sup>	M2
Sulphate Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Phosphate Ion	0.0018	-9999	µg/m <sup>3</sup>	M2
Ammonium Ion	0.00004	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210301102
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.9	°C	
Pressure		713.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0125	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1357	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0002	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0007	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0029	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0819	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7012	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2107	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401110
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.8	°C	
Pressure		711.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0154	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0161	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0009	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0006	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0045	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0022	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0848	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7257	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2054	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-04-04 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-04-05 00:00

Set Index: 1  
WBEA ID: 210401116  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.1	°C	
Pressure		732.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1308	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1874	µg/m <sup>3</sup>	V4
Magnesium Ion	0.00005	0.0088	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0096	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1261	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2291	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6796	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1711	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401124
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.8	°C	
Pressure		723.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0288	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0094	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0017	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0032	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0308	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.3044	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6866	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2165	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210401179
Start Date:	2021-04-08 11:15	End Date:	2021-04-08 11:16	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.0037	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0002	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0004	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0009	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401137
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.4	°C	
Pressure		733.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0187	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0559	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0008	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0058	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0824	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2156	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6212	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1405	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401156
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.4	°C	
Pressure		711.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0049	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0058	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0065	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0014	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0238	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0014	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1314	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5556	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1382	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401166
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

---

### Notes

PM data appears blank compared to other samplers. Reason unknown.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.5	°C	
Pressure		702.9	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Calcium Ion	0.0021	-9999	µg/m <sup>3</sup>	M2
Chloride Ion	0.0014	-9999	µg/m <sup>3</sup>	M2
Magnesium Ion	0.00005	-9999	µg/m <sup>3</sup>	M2
Potassium Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Sodium Ion	0.0006	-9999	µg/m <sup>3</sup>	M2
Fluoride Ion	0.00001	-9999	µg/m <sup>3</sup>	M2
Nitrate Ion	0.0002	-9999	µg/m <sup>3</sup>	M2
Sulphate Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Phosphate Ion	0.0018	-9999	µg/m <sup>3</sup>	M2
Ammonium Ion	0.00004	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-04-10 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-04-11 00:00

Set Index: 1  
WBEA ID: 210401171  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.8	°C	
Pressure		724.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0259	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0295	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0050	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0056	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0628	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0015	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2499	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6258	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1533	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-04-10 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-04-11 00:00

Set Index: 1  
WBEA ID: 210401183  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.5	°C	
Pressure		733.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.583	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0168	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0407	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0041	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0052	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0721	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0004	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2671	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5719	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1332	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401188
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.2	°C	
Pressure		711.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0098	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0128	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0011	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0006	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0398	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0016	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1754	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5642	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1353	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401203
Start Date:	2021-04-12 12:05	End Date:	2021-04-12 12:06	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0027	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0029	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0006	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0012	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401197
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.5	°C	
Pressure		735.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1292	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0239	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0093	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0074	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0243	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0060	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1688	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7254	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1944	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401205
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.3	°C	
Pressure		721.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0176	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0037	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0022	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0019	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0057	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0007	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1030	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5160	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1425	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-04-16 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-04-17 00:00

Set Index: 1  
WBEA ID: 210401213  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.6	°C	
Pressure		742.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0829	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0216	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0071	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0040	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0253	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1376	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7194	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2117	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401228
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.2	°C	
Pressure		742.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1212	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0062	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0151	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0063	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0147	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1471	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9916	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3131	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401242
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

---

### Notes

PM data appears blank compared to other samplers. Reason unknown.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.5	°C	
Pressure		714.7	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Calcium Ion	0.0021	-9999	µg/m <sup>3</sup>	M2
Chloride Ion	0.0014	-9999	µg/m <sup>3</sup>	M2
Magnesium Ion	0.00005	-9999	µg/m <sup>3</sup>	M2
Potassium Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Sodium Ion	0.0006	-9999	µg/m <sup>3</sup>	M2
Fluoride Ion	0.00001	-9999	µg/m <sup>3</sup>	M2
Nitrate Ion	0.0002	-9999	µg/m <sup>3</sup>	M2
Sulphate Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Phosphate Ion	0.0018	-9999	µg/m <sup>3</sup>	M2
Ammonium Ion	0.00004	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401249
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.8	°C	
Pressure		723.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1083	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0246	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0011	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0144	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0188	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1134	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4926	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1155	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401814
Start Date:	2021-04-21 12:20	End Date:	2021-04-21 12:21	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0029	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0021	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0006	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0004	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0012	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Anzac  
Start Date: 2021-04-22 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-04-23 00:00

Set Index: 1  
WBEA ID: 210401770  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.4	°C	
Pressure		717.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0095	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0350	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0032	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0027	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0398	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1345	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4699	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0922	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: **PM2.5 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-04-22 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-04-23 00:00**

Set Index: **1**  
WBEA ID: **210401777**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		-1.3	°C	
Pressure		739.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0060	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0403	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0049	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0032	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0487	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1618	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5545	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1226	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401783
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.6	°C	
Pressure		731.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0143	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0280	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0039	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0037	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0442	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1724	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5009	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0956	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401796
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.3	°C	
Pressure		739.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0070	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0441	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0043	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0024	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0388	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0002	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1217	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4315	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0817	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Conklin  
Start Date: 2021-04-22 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-04-23 00:00

Set Index: 1  
WBEA ID: 210401818  
Duration: 24.0 hr

---

### Notes

PM data appears blank compared to other samplers. Reason unknown.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.4	°C	
Pressure		710.3	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Calcium Ion	0.0021	-9999	µg/m <sup>3</sup>	M2
Chloride Ion	0.0014	-9999	µg/m <sup>3</sup>	M2
Magnesium Ion	0.00005	-9999	µg/m <sup>3</sup>	M2
Potassium Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Sodium Ion	0.0006	-9999	µg/m <sup>3</sup>	M2
Fluoride Ion	0.00001	-9999	µg/m <sup>3</sup>	M2
Nitrate Ion	0.0002	-9999	µg/m <sup>3</sup>	M2
Sulphate Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Phosphate Ion	0.0018	-9999	µg/m <sup>3</sup>	M2
Ammonium Ion	0.00004	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401826
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

---

### Notes

Low sample volume due to weakening pump. Will replace next visit.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.8	°C	
Pressure		718.9	mmHg	
Sample Volume		23.9	m <sup>3</sup>	V6
Particulate Matter	0.042	1.464	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0040	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0310	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0114	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0021	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0410	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1280	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5075	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0967	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401881
Start Date:	2021-04-27 14:25	End Date:	2021-04-27 14:26	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0045	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0022	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0005	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0008	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0023	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401833
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.8	°C	
Pressure		716.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0170	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0211	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0012	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0028	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0412	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0005	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1608	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5599	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1294	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-04-28 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-04-29 00:00

Set Index: 1  
WBEA ID: 210401838  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.3	°C	
Pressure		738.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0191	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0432	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0019	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0045	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0634	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1894	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4868	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1054	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401845
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.5	°C	
Pressure		730.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0181	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0340	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0017	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0039	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0426	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1522	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4471	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0943	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401861
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.8	°C	
Pressure		738.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1445	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0843	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0010	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0117	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0836	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0045	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2229	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5642	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0328	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401875
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

---

### Notes

PM data appears blank compared to other samplers. Reason unknown.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.7	°C	
Pressure		709.9	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Calcium Ion	0.0021	-9999	µg/m <sup>3</sup>	M2
Chloride Ion	0.0014	-9999	µg/m <sup>3</sup>	M2
Magnesium Ion	0.00005	-9999	µg/m <sup>3</sup>	M2
Potassium Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Sodium Ion	0.0006	-9999	µg/m <sup>3</sup>	M2
Fluoride Ion	0.00001	-9999	µg/m <sup>3</sup>	M2
Nitrate Ion	0.0002	-9999	µg/m <sup>3</sup>	M2
Sulphate Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Phosphate Ion	0.0018	-9999	µg/m <sup>3</sup>	M2
Ammonium Ion	0.00004	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401887
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

---

### Notes

Low sample volume due to weakening pump. Will be replacing pump today.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.0	°C	
Pressure		718.6	mmHg	
Sample Volume		23.4	m <sup>3</sup>	V6
Particulate Matter	0.042	2.906	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0401	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0111	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0224	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0047	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0416	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1792	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9028	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1875	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401941
Start Date:	2021-04-30 12:40	End Date:	2021-04-30 12:41	Duration:	0.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0232	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0010	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401908
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.3	°C	
Pressure		719.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0204	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0021	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0149	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2163	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5313	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1384	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401916
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.4	°C	
Pressure		709.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0626	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0074	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0083	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0037	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0143	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2137	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5931	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1486	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM2.5 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-05-04 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-05-05 00:00**

Set Index: **1**  
WBEA ID: **210401926**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		7.4	°C	
Pressure		739.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0297	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0037	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0033	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0058	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0161	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2626	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6564	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1804	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401932
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.3	°C	
Pressure		717.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0079	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0017	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0163	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0116	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2170	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5705	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1480	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401948
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.0	°C	
Pressure		738.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2092	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0022	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0098	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0257	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2217	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8048	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2195	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401961
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.6	°C	
Pressure		731.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0536	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0019	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0038	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0093	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0194	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2577	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7041	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2073	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210502014
Start Date:	2021-05-07 10:45	End Date:	2021-05-07 10:46	Duration:	0.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0050	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0006	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0004	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	0.0084	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210501979
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.8	°C	
Pressure		711.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0534	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0093	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0008	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0028	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0168	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2017	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.0642	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3453	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210501997
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.3	°C	
Pressure		737.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1981	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0016	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0150	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0056	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0141	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2221	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9592	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1331	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-05-10 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-05-11 00:00

Set Index: 1  
WBEA ID: 210502016  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.3	°C	
Pressure		730.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0407	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0019	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0059	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0047	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0079	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1979	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.2492	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4248	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210502025
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.4	°C	
Pressure		717.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0528	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0056	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0055	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0059	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1936	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.3636	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4609	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-05-10 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-05-11 00:00

Set Index: 1  
WBEA ID: 210502032  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.4	°C	
Pressure		738.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0439	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0017	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0044	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0183	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0087	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2211	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.2357	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4026	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210502065
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.2	°C	
Pressure		720.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0578	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0081	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0045	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0079	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2141	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.2438	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4192	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-05-14 14:00

Samp Use: Field Procedure Blank  
Loc ID: ATHV  
End Date: 2021-05-14 14:01

Set Index: 1  
WBEA ID: 210502085  
Duration: 0.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0003	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0004	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	0.0068	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210502044
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.9	°C	
Pressure		731.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0295	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0016	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0014	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0024	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0084	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1802	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3748	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0426	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210502061
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.2	°C	
Pressure		706.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0171	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0019	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0067	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0024	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0029	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1725	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4772	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0911	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210502068
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.0	°C	
Pressure		713.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0101	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0012	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0011	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0009	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0077	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1578	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3164	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0491	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Anzac  
Start Date: 2021-05-16 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-05-17 00:00

Set Index: 1  
WBEA ID: 210502077  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.1	°C	
Pressure		712.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0094	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0014	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0022	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0009	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0080	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1729	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3181	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0461	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-05-16 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-05-17 00:00

Set Index: 1  
WBEA ID: 210502082  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.7	°C	
Pressure		732.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0036	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0023	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0012	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0173	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0025	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0066	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1686	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2826	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0253	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-05-16 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-05-17 00:00

Set Index: 1  
WBEA ID: 210502095  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.4	°C	
Pressure		723.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0139	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0014	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0011	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0031	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0026	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0076	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1781	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3093	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0429	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210502149
Start Date:	2021-05-21 12:00	End Date:	2021-05-21 12:01	Duration:	0.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0005	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0009	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	0.0062	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210502107
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

---

### Notes

Short sample duration and low sample volume due to power outage.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.1	°C	
Pressure		739.5	mmHg	
Sample Volume		22.7	m <sup>3</sup>	V6
Particulate Matter	0.042	17.886	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3180	µg/m <sup>3</sup>	V4
Chloride Ion	0.0014	0.0207	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0134	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0138	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1910	µg/m <sup>3</sup>	V4
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2266	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.2777	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2342	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210502126
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.1	°C	
Pressure		716.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0430	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0015	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0006	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0031	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0059	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.4635	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5770	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0962	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210502132
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.1	°C	
Pressure		723.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0404	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0018	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0032	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0050	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0057	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1895	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5152	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1173	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: **PM2.5 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-05-22 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-05-23 00:00**

Set Index: **1**  
WBEA ID: **210502138**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		13.9	°C	
Pressure		742.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0254	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0024	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0059	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0059	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.5093	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5823	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0940	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-05-22 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-05-23 00:00

Set Index: 1  
WBEA ID: 210502144  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.5	°C	
Pressure		733.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0317	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0031	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0155	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0065	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.5341	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5800	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0886	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Anzac  
Start Date: 2021-05-22 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-05-23 00:00

Set Index: 1  
WBEA ID: 210502153  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.0	°C	
Pressure		721.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.583	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0221	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0023	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0028	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0039	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.4726	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5752	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1045	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210502213
Start Date:	2021-05-26 11:16	End Date:	2021-05-26 11:17	Duration:	0.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.0019	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0002	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0002	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0011	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0077	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210502196
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00	Duration:	24.0 hr

---

### Notes

Lower sample volume due to power blip during NAPS day.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.7	°C	
Pressure		724.3	mmHg	
Sample Volume		22.7	m <sup>3</sup>	V6
Particulate Matter	0.042	3.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0697	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0017	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0027	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0015	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2051	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5568	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1572	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Conklin  
Start Date: 2021-05-28 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-05-29 00:00

Set Index: 1  
WBEA ID: 210502217  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.2	°C	
Pressure		698.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0046	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0138	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0027	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0009	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1224	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5657	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0980	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210502223
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.9	°C	
Pressure		705.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0040	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0016	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0151	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0014	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0356	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5992	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1750	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Anzac  
Start Date: 2021-05-28 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-05-29 00:00

Set Index: 1  
WBEA ID: 210502228  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.3	°C	
Pressure		704.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0056	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0006	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0014	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0009	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1222	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6555	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1844	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM2.5 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-05-28 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-05-29 00:00**

Set Index: **1**  
WBEA ID: **210502234**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		10.1	°C	
Pressure		725.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.583	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0083	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0006	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0075	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0022	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1464	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8666	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2744	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-05-28 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-05-29 00:00

Set Index: 1  
WBEA ID: 210502241  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.5	°C	
Pressure		714.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0197	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0010	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0059	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0014	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.5425	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9965	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3112	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602322
Start Date:	2021-06-02 14:00	End Date:	2021-06-02 14:01	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0052	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0020	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0006	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0007	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0001	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0183	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-06-03 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-06-04 00:00

Set Index: 1  
WBEA ID: 210602268  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.1	°C	
Pressure		727.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0291	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0054	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0003	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0014	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0072	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0008	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0459	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2464	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0658	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602273
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.5	°C	
Pressure		707.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0387	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0032	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0050	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0008	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0048	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0441	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2749	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0743	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602287
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.4	°C	
Pressure		724.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0346	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0030	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0007	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0013	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0112	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0426	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1577	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0025	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-06-03 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-06-04 00:00

Set Index: 1  
WBEA ID: 210602304  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.7	°C	
Pressure		715.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0415	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0040	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0007	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0021	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0036	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0001	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0467	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2206	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0549	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Conklin  
Start Date: 2021-06-03 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-06-04 00:00

Set Index: 1  
WBEA ID: 210602312  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.7	°C	
Pressure		702.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0195	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0082	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0070	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0012	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0039	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0289	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2710	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0506	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602324
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.7	°C	
Pressure		708.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0220	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0029	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0016	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0019	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0024	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0410	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2464	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0580	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

		Deployment Information		
Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210602361
Start Date:	2021-06-07 14:55	End Date:	2021-06-07 14:56	Duration: 0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0033	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.5474	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0003	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.0017	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM2.5 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-06-09 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-06-10 00:00**

Set Index: **1**  
WBEA ID: **210602334**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		14.8	°C	
Pressure		739.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0157	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0048	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0004	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0013	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0027	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0339	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1116	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0151	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602340
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.1	°C	
Pressure		712.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0132	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0026	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0005	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0011	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0007	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0250	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1344	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0254	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-06-09 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-06-10 00:00

Set Index: 1  
WBEA ID: 210602346  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.8	°C	
Pressure		730.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0173	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.5322	µg/m <sup>3</sup>	V4
Magnesium Ion	0.00005	0.0006	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0014	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0030	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0370	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1951	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0413	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602371
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.4	°C	
Pressure		738.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0387	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0052	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0019	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0008	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0032	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0258	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1154	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0029	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602380
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.4	°C	
Pressure		719.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0116	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0050	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0015	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0112	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0017	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0002	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0434	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1246	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0083	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Conklin  
Start Date: 2021-06-09 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-06-10 00:00

Set Index: 1  
WBEA ID: 210602386  
Duration: 24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.4	°C	
Pressure		717.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0083	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0019	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0080	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0042	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0016	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0003	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0288	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2461	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0315	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602421
Start Date:	2021-06-11 14:30	End Date:	2021-06-11 14:31	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	1.3778	µg/m <sup>3</sup>	V4
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0080	µg/m <sup>3</sup>	V4
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0042	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602397
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.6	°C	
Pressure		705.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0331	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0017	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0030	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0030	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0027	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0620	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9286	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3014	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602404
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.4	°C	
Pressure		711.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0293	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0025	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0029	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0042	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0023	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0637	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7791	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2496	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-06-15 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-06-16 00:00

Set Index: 1  
WBEA ID: 210602409  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.5	°C	
Pressure		731.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0360	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0034	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0071	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0029	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0040	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0004	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0554	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6650	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2008	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602417
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.3	°C	
Pressure		710.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0352	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0024	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0009	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0022	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0025	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0520	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7287	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2462	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-06-15 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-06-16 00:00

Set Index: 1  
WBEA ID: 210602425  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.8	°C	
Pressure		720.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0387	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0030	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0149	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0018	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0038	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0004	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0453	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6483	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1735	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602445
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

---

### Notes

Raining during sample collection.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.6	°C	
Pressure		729.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0691	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0047	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0042	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0063	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0053	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0764	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.0074	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2826	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM2.5 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-06-17 10:05**

Samp Use: **Field Procedure Blank**  
Loc ID: **ATHV**  
End Date: **2021-06-17 10:06**

Set Index: **1**  
WBEA ID: **210602533**  
Duration: **0.0 hr**

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0033	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.5519	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0004	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0013	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602459
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.5	°C	
Pressure		705.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0516	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.5829	µg/m <sup>3</sup>	V4
Magnesium Ion	0.00005	0.0075	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0027	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0060	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0017	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0149	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2597	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0461	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602466
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.9	°C	
Pressure		712.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0175	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0021	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0011	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0020	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0017	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0164	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4463	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1183	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-06-21 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-06-22 00:00

Set Index: 1  
WBEA ID: 210602501  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.5	°C	
Pressure		720.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0355	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0076	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0045	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0057	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0045	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0016	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0307	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3356	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0811	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602507
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.6	°C	
Pressure		711.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0159	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0024	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0006	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0027	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0015	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0246	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2844	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0766	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602513
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

---

### Notes

Raining during sample deployment.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.5	°C	
Pressure		730.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1003	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0043	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0016	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0053	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0095	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0010	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0666	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.0329	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3335	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-06-21 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-06-22 00:00

Set Index: 1  
WBEA ID: 210602537  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.4	°C	
Pressure		731.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0349	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0049	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0021	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0030	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0044	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0006	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0395	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3330	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0803	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602590
Start Date:	2021-06-24 12:10	End Date:	2021-06-24 12:11	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0132	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0036	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0014	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0007	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602554
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.4	°C	
Pressure		739.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0668	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0572	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0019	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0142	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0114	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0009	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0405	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6687	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2336	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602567
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.8	°C	
Pressure		721.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0296	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1927	µg/m <sup>3</sup>	V4
Magnesium Ion	0.00005	0.0021	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0011	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0012	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0135	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1777	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0392	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602575
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.8	°C	
Pressure		714.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2198	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0336	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0354	µg/m <sup>3</sup>	V4
Potassium Ion	0.0001	0.0014	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0211	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0007	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0294	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1630	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0109	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-06-27 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-06-28 00:00

Set Index: 1  
WBEA ID: 210602580  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.0	°C	
Pressure		741.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0297	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0037	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0029	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0075	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0038	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0439	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.3644	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4794	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602593
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.7	°C	
Pressure		720.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0271	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0028	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0006	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0032	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0021	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0412	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9045	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3227	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-06-27 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-06-28 00:00

Set Index: 1  
WBEA ID: 210602598  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.3	°C	
Pressure		731.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0409	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0037	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0069	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0067	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0047	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0361	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.3828	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4890	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602630
Start Date:	2021-06-30 14:15	End Date:	2021-06-30 14:16	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0032	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0019	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0006	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0172	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602614
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.8	°C	
Pressure		712.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0078	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0027	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0063	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0006	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0009	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0136	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1493	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0147	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Conklin  
Start Date: 2021-07-03 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-07-04 00:00

Set Index: 1  
WBEA ID: 210602634  
Duration: 24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.1	°C	
Pressure		706.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0274	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0029	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0022	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0004	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0022	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0007	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0202	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1495	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0232	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602643
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.8	°C	
Pressure		731.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0060	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0161	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0054	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0034	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0055	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0159	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1156	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0079	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702667
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

---

### Notes

Long sampling duration due to power outage at site.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.9	°C	
Pressure		711.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0081	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0025	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0026	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0004	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	0.0020	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0153	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1257	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0221	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-07-03 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-07-04 00:00

Set Index: 1  
WBEA ID: 210702676  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.0	°C	
Pressure		732.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0074	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0028	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0057	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0002	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0009	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0153	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1339	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0095	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210702682
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.7	°C	
Pressure		721.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0289	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0022	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0082	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0012	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0007	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0140	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1207	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0020	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702712
Start Date:	2021-07-07 10:40	End Date:	2021-07-07 10:41	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.0021	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0014	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0002	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702700
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		26.7	°C	
Pressure		735.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	15.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5505	µg/m <sup>3</sup>	V4
Chloride Ion	0.0014	0.0065	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0173	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0200	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0079	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0150	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0317	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2537	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0631	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702716
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		25.5	°C	
Pressure		716.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	21.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0922	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0038	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0042	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0699	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0085	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0216	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0237	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4069	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2191	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Conklin  
Start Date: 2021-07-09 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-07-10 00:00

Set Index: 1  
WBEA ID: 210702722  
Duration: 24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		24.6	°C	
Pressure		709.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	26.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3687	µg/m <sup>3</sup>	V4
Chloride Ion	0.0014	0.0221	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0584	µg/m <sup>3</sup>	V4
Potassium Ion	0.0001	0.0691	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0453	µg/m <sup>3</sup>	V4
Fluoride Ion	0.00001	0.0010	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0324	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4416	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2181	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702730
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.6	°C	
Pressure		715.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	25.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0960	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0047	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0096	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0498	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0074	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0245	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0573	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5546	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3104	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM2.5 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-07-09 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-07-10 00:00**

Set Index: **1**  
WBEA ID: **210702736**  
Duration: **24.0 hr**

---

### Notes

None

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### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		24.7	°C	
Pressure		736.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	21.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1115	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0041	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0042	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0526	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0075	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0580	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4873	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2171	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-07-09 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-07-10 00:00

Set Index: 1  
WBEA ID: 210702742  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		24.5	°C	
Pressure		725.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	19.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1449	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0035	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0161	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0528	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0084	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0183	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0616	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8016	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3110	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702775
Start Date:	2021-07-13 11:10	End Date:	2021-07-13 11:11	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0051	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0030	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0007	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	0.0008	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-07-15 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-07-16 00:00

Set Index: 1  
WBEA ID: 210702748  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.4	°C	
Pressure		718.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	21.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0695	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0049	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0125	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0780	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0032	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0231	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0434	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4654	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2779	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-07-15 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-07-16 00:00

Set Index: 1  
WBEA ID: 210702754  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.2	°C	
Pressure		730.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	19.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0387	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0042	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0073	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0652	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0027	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0225	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0243	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4480	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1971	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702762
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.0	°C	
Pressure		709.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	19.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0593	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0030	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0075	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0744	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0033	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0231	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0264	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5024	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2484	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702767
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.7	°C	
Pressure		728.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	23.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0765	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0144	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0037	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0833	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0106	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0266	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0205	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5193	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2484	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702794
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.6	°C	
Pressure		710.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	21.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0573	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0053	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0053	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0899	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0029	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0239	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0571	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6530	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2736	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702802
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.8	°C	
Pressure		704.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	22.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0658	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0032	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0135	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0929	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0030	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0228	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0477	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5508	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2287	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210702824
Start Date:	2021-07-16 13:55	End Date:	2021-07-16 13:56	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0049	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0041	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0004	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-07-21 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-07-22 00:00

Set Index: 1  
WBEA ID: 210702810  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.7	°C	
Pressure		736.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	24.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0334	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0030	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0030	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0541	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0024	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0349	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0294	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.6076	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.8222	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702818
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.0	°C	
Pressure		715.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	26.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0210	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0037	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0019	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0693	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0021	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0402	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0199	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.5587	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.7836	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-07-21 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-07-22 00:00

Set Index: 1  
WBEA ID: 210702828  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.6	°C	
Pressure		725.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	25.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0401	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0031	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0174	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0525	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0030	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0339	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0581	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.8160	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.9264	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702839
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.1	°C	
Pressure		735.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	31.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3015	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0019	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0033	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0777	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0042	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0466	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0442	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	2.0193	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	1.6492	µg/m <sup>3</sup>	V4



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Janvier  
Start Date: 2021-07-21 00:00

Samp Use: Exposure  
Loc ID: JANV  
End Date: 2021-07-22 00:00

Set Index: 1  
WBEA ID: 210702858  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.3	°C	
Pressure		716.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	20.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0142	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0031	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0040	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0475	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0017	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0292	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0233	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9124	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4785	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Conklin  
Start Date: 2021-07-21 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-07-22 00:00

Set Index: 1  
WBEA ID: 210702866  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.9	°C	
Pressure		709.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	23.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0179	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0057	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0020	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0558	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0035	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0374	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0202	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.4197	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.7023	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210702895
Start Date:	2021-07-22 11:53	End Date:	2021-07-22 11:54	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0042	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0026	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0005	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0005	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Anzac  
Start Date: 2021-07-27 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-07-28 00:00

Set Index: 1  
WBEA ID: 210702873  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.5	°C	
Pressure		714.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0161	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0036	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0032	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0097	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0013	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0202	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3376	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0882	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702877
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.3	°C	
Pressure		709.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0111	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0028	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0011	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0060	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0016	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0090	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2488	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0555	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-07-27 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-07-28 00:00

Set Index: 1  
WBEA ID: 210702884  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.0	°C	
Pressure		735.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0236	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0045	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0007	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0061	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0036	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0013	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0327	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3549	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0946	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-07-27 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-07-28 00:00

Set Index: 1  
WBEA ID: 210702897  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.1	°C	
Pressure		724.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0291	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0045	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0087	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0087	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0032	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0080	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0280	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4180	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1117	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702903
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.8	°C	
Pressure		716.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0063	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0023	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0038	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0070	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0011	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0150	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2947	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0690	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702920
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.9	°C	
Pressure		734.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1405	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0056	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0028	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0062	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0037	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0094	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0136	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1950	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0040	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210703005
Start Date:	2021-07-29 11:40	End Date:	2021-07-29 11:41	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0090	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0034	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0011	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0011	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0009	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702968
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.9	°C	
Pressure		720.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	15.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0588	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0027	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0027	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0154	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0035	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0140	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0214	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4026	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2003	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702983
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.6	°C	
Pressure		739.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	17.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4096	µg/m <sup>3</sup>	V4
Chloride Ion	0.0014	0.0042	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0170	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0045	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0075	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0113	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0498	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.7283	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.6622	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Conklin  
Start Date: 2021-08-02 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-08-03 00:00

Set Index: 1  
WBEA ID: 210702990  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.0	°C	
Pressure		713.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	15.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1760	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0046	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0255	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0062	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0082	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0027	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0173	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3245	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1732	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-08-02 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-08-03 00:00

Set Index: 1  
WBEA ID: 210702999  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.4	°C	
Pressure		740.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	14.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0796	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0056	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0075	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0345	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0059	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0046	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0251	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3277	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1643	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210703011
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.2	°C	
Pressure		719.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0594	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0037	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0004	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0217	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0033	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0017	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0144	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4064	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2061	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-08-02 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-08-03 00:00

Set Index: 1  
WBEA ID: 210703019  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.8	°C	
Pressure		729.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.583	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0977	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0054	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0088	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0327	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0075	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0039	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0310	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3109	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1384	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803063
Start Date:	2021-08-04 13:35	End Date:	2021-08-04 13:36	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0093	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0024	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0012	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0009	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0006	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803037
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.9	°C	
Pressure		731.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0356	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0060	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0044	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0014	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0072	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0023	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0314	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1911	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0255	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210803055
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.5	°C	
Pressure		711.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0231	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0036	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0033	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0026	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0035	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0017	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0189	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5922	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1754	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Conklin  
Start Date: 2021-08-08 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-08-09 00:00

Set Index: 1  
WBEA ID: 210803067  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.3	°C	
Pressure		705.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0183	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0028	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0043	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0016	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0042	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0020	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0170	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2912	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0626	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210803076
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.2	°C	
Pressure		710.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0214	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0033	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0037	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0014	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0064	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0027	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0378	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7089	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2213	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM2.5 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-08-08 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-08-09 00:00**

Set Index: **1**  
WBEA ID: **210803083**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		14.8	°C	
Pressure		731.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0406	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0120	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0064	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0037	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0110	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0031	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0488	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7831	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2591	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-08-08 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-08-09 00:00

Set Index: 1  
WBEA ID: 210803089  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.4	°C	
Pressure		720.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0262	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0031	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0094	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0032	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0077	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0033	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0505	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4368	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1100	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210803129
Start Date:	2021-08-10 13:25	End Date:	2021-08-10 13:26	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0083	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0028	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0012	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0003	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0012	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803107
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.7	°C	
Pressure		728.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0507	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0030	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0090	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0352	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0112	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0070	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0029	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1784	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0184	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803118
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.2	°C	
Pressure		705.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	15.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0666	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0040	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0085	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0751	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0064	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0120	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0302	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2048	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0304	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Janvier  
Start Date: 2021-08-14 00:00

Samp Use: Exposure  
Loc ID: JANV  
End Date: 2021-08-15 00:00

Set Index: 1  
WBEA ID: 210803135  
Duration: 24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.1	°C	
Pressure		711.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	15.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0569	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0035	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0092	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0743	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0061	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0118	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0288	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2345	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0538	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210803153
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.9	°C	
Pressure		709.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0534	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0038	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0134	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0693	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0054	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0085	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0186	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2324	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0300	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-08-14 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-08-15 00:00

Set Index: 1  
WBEA ID: 210803159  
Duration: 24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.8	°C	
Pressure		730.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0250	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0159	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0065	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0713	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0075	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0095	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0183	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2151	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0282	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210803165
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.2	°C	
Pressure		718.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0313	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0036	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0156	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0791	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0060	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0083	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0208	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2075	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0188	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PM2.5 Ion	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Field Procedure Blank
Start Date:	2021-08-16 12:38	Loc ID:	BGFM
		End Date:	2021-08-16 12:39
		Set Index:	1
		WBEA ID:	210803188
		Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0098	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0039	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0011	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0009	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803178
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.6	°C	
Pressure		737.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0479	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0034	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0067	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0022	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0040	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0005	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.1075	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0002	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Conklin  
Start Date: 2021-08-20 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-08-21 00:00

Set Index: 1  
WBEA ID: 210803199  
Duration: 24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.6	°C	
Pressure		709.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0276	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0022	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0320	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0014	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0019	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.4446	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0347	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210803208
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.2	°C	
Pressure		717.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.583	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0238	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0019	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0052	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0036	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0019	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0019	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0203	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6313	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1562	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210803238
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.3	°C	
Pressure		716.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0273	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0031	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0034	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0016	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0020	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0025	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0225	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3143	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0353	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-08-20 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-08-21 00:00

Set Index: 1  
WBEA ID: 210803244  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.5	°C	
Pressure		737.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1631	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0060	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0100	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0047	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0106	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0016	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0446	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3897	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0400	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-08-20 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-08-21 00:00

Set Index: 1  
WBEA ID: 210803250  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.8	°C	
Pressure		727.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0322	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0034	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0087	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0052	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0044	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0038	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0292	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3176	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0188	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210803255
Start Date:	2021-08-23 12:35	End Date:	2021-08-23 12:36	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0085	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0019	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0012	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0008	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210803261
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.1	°C	
Pressure		724.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0423	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0052	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0176	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0055	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0052	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0050	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0307	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6185	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1622	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-08-26 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-08-27 00:00

Set Index: 1  
WBEA ID: 210803268  
Duration: 24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.9	°C	
Pressure		735.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0409	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0044	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0057	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0072	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0046	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0031	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0312	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6528	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1963	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803277
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.5	°C	
Pressure		732.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1499	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0055	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0175	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0036	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0128	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0036	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0399	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.1780	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2716	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803298
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

---

### Notes

Sample collected during rainstorm

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.6	°C	
Pressure		708.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1031	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0049	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0307	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0022	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0067	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0027	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0296	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6840	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1318	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210803307
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.0	°C	
Pressure		716.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0327	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0027	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0062	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0037	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0036	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0030	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0240	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6757	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1880	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210803311
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

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### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.0	°C	
Pressure		714.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0571	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0064	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0119	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0037	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0049	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0021	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0315	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6394	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1817	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210803326
Start Date:	2021-08-27 11:41	End Date:	2021-08-27 11:42	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	0.0026	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210803320
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.0	°C	
Pressure		708.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0160	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0245	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0028	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0337	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7006	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1589	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM2.5 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-09-01 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-09-02 00:00**

Set Index: **1**  
WBEA ID: **210803330**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		15.7	°C	
Pressure		729.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0097	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0057	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0252	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0031	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0402	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7176	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1753	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-09-01 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-09-02 00:00

Set Index: 1  
WBEA ID: 210803339  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.7	°C	
Pressure		718.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0274	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0126	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0016	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0335	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7655	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1638	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803363
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.8	°C	
Pressure		727.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0148	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0093	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0019	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0018	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0048	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0251	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1651	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0002	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Conklin  
Start Date: 2021-09-01 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-09-02 00:00

Set Index: 1  
WBEA ID: 210803376  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.3	°C	
Pressure		702.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0114	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0145	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0114	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0020	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0317	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7030	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1045	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210803383
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.9	°C	
Pressure		706.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0132	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0050	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0095	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0023	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0051	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0395	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8596	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2179	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903431
Start Date:	2021-09-03 11:00	End Date:	2021-09-03 11:01	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0009	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0008	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903404
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

---

### Notes

Raining during sample collection.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.8	°C	
Pressure		735.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0396	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0016	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0015	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0024	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0455	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1213	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0001	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903435
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.8	°C	
Pressure		716.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0165	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0052	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0019	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0034	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.1386	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903437
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.3	°C	
Pressure		710.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0332	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0024	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0071	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0043	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0035	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.1514	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Janvier  
Start Date: 2021-09-07 00:00

Samp Use: Exposure  
Loc ID: JANV  
End Date: 2021-09-08 00:00

Set Index: 1  
WBEA ID: 210903448  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.3	°C	
Pressure		718.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0132	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0015	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0036	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.1438	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0001	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-09-07 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-09-08 00:00

Set Index: 1  
WBEA ID: 210903456  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.2	°C	
Pressure		737.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0128	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0016	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0027	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.1549	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0001	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210903464
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.0	°C	
Pressure		727.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0047	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0022	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0039	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.1508	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0001	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903487
Start Date:	2021-09-08 13:35	End Date:	2021-09-08 13:36	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0008	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0021	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0001	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903478
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.4	°C	
Pressure		713.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0030	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0051	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0016	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0021	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2583	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0001	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903489
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.6	°C	
Pressure		706.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0142	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0061	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0048	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0022	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0033	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2539	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903501
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

---

### Notes

Raining during sample deployment.  
Unknown reason for low sample mass.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.9	°C	
Pressure		730.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Calcium Ion	0.0021	-9999	µg/m <sup>3</sup>	M2
Chloride Ion	0.0014	-9999	µg/m <sup>3</sup>	M2
Magnesium Ion	0.00005	-9999	µg/m <sup>3</sup>	M2
Potassium Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Sodium Ion	0.0006	-9999	µg/m <sup>3</sup>	M2
Fluoride Ion	0.00001	-9999	µg/m <sup>3</sup>	M2
Nitrate Ion	0.0002	-9999	µg/m <sup>3</sup>	M2
Sulphate Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Phosphate Ion	0.0018	-9999	µg/m <sup>3</sup>	M2
Ammonium Ion	0.00004	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903522
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.5	°C	
Pressure		711.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0083	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0034	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0019	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0040	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0018	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2301	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0001	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-09-13 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-09-14 00:00

Set Index: 1  
WBEA ID: 210903530  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.1	°C	
Pressure		733.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0240	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0045	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0031	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0028	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2252	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210903541
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.1	°C	
Pressure		722.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0056	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0012	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0019	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2211	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0001	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903609
Start Date:	2021-09-15 13:27	End Date:	2021-09-15 13:28	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0025	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0009	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0025	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903565
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.4	°C	
Pressure		725.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0135	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0020	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0038	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0019	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0041	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0329	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3216	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0001	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-09-19 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-09-20 00:00

Set Index: 1  
WBEA ID: 210903573  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.4	°C	
Pressure		727.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0185	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0043	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0132	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0029	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0374	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5147	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0221	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903586
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.4	°C	
Pressure		701.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0045	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0028	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0022	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0014	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.3545	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903590
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.4	°C	
Pressure		706.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.583	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0045	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0119	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0016	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0358	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4615	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0084	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-09-19 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-09-20 00:00

Set Index: 1  
WBEA ID: 210903600  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.7	°C	
Pressure		716.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0066	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0140	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0016	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0335	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4393	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0006	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903613
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.7	°C	
Pressure		708.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0127	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0132	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0020	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0018	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0341	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3721	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0001	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903638
Start Date:	2021-09-22 10:25	End Date:	2021-09-22 10:26	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0073	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0008	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0007	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0037	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903620
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.0	°C	
Pressure		702.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0453	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0099	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0053	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0037	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0301	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1494	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903628
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.8	°C	
Pressure		709.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0039	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0026	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.1800	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0001	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903643
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.8	°C	
Pressure		726.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0427	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0059	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0035	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0380	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1920	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0001	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-09-25 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-09-26 00:00

Set Index: 1  
WBEA ID: 210903664  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.8	°C	
Pressure		728.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0785	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0027	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0086	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0066	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0103	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0047	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0305	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2098	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903674
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.3	°C	
Pressure		707.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0213	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0037	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0045	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0071	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0035	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0402	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1707	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-09-25 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-09-26 00:00

Set Index: 1  
WBEA ID: 210903685  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.7	°C	
Pressure		717.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0371	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0026	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0038	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0070	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0029	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.1966	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0001	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210903720
Start Date:	2021-09-28 11:35	End Date:	2021-09-28 11:36	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.1494	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0013	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903694
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.0	°C	
Pressure		711.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.1735	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0050	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0040	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2104	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903702
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.4	°C	
Pressure		718.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0360	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1728	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0047	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0094	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2066	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903707
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.4	°C	
Pressure		715.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.1527	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0048	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0610	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2113	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: **PM2.5 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-10-01 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-10-02 00:00**

Set Index: **1**  
WBEA ID: **210903716**  
Duration: **24.0 hr**

---

### Notes

Upon collection of the sample, partisol had powerfail and sample period status codes. Resulted in a short sampling duration and low sample volume.

Small fly found on filter upon collection of the sample.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.9	°C	
Pressure		737.1	mmHg	
Sample Volume		22.2	m <sup>3</sup>	V6
Particulate Matter	0.042	3.108	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0340	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1785	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0067	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0031	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0081	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0191	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2618	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-10-01 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-10-02 00:00

Set Index: 1  
WBEA ID: 210903726  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.6	°C	
Pressure		727.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.583	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0209	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1504	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0061	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0007	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0109	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2152	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903738
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.8	°C	
Pressure		734.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0373	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1546	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0082	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0132	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0093	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0085	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3570	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM2.5 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-10-04 13:10**

Samp Use: **Field Procedure Blank**  
Loc ID: **ATHV**  
End Date: **2021-10-04 13:11**

Set Index: **1**  
WBEA ID: **211003799**  
Duration: **0.0 hr**

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.1546	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0012	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Anzac  
Start Date: 2021-10-07 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-10-08 00:00

Set Index: 1  
WBEA ID: 211003789  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.8	°C	
Pressure		713.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0138	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0060	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0474	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4467	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0158	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: **PM2.5 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-10-07 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-10-08 00:00**

Set Index: **1**  
WBEA ID: **211003803**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		6.5	°C	
Pressure		734.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0306	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1446	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0063	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0286	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0099	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0618	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6005	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0972	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-10-07 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-10-08 00:00

Set Index: 1  
WBEA ID: 211003814  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.6	°C	
Pressure		724.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0396	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1646	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0027	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0230	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0070	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0515	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5422	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0371	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Conklin  
Start Date: 2021-10-07 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-10-08 00:00

Set Index: 1  
WBEA ID: 211003870  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.2	°C	
Pressure		708.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0301	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1708	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0104	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0197	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0062	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0847	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8440	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1827	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Janvier  
Start Date: 2021-10-07 00:00

Samp Use: Exposure  
Loc ID: JANV  
End Date: 2021-10-08 00:00

Set Index: 1  
WBEA ID: 211003877  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.8	°C	
Pressure		715.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0237	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1676	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0056	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0224	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0062	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.9309	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1934	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211003895
Start Date:	2021-10-07 00:00	End Date:	2021-10-08 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.1	°C	
Pressure		732.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0219	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0058	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0212	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0076	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0502	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5267	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0459	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211003944
Start Date:	2021-10-12 11:45	End Date:	2021-10-12 11:46	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.1815	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0016	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211003911
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.0	°C	
Pressure		706.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0263	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1746	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0061	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0292	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0107	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0696	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6095	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0531	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211003921
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.8	°C	
Pressure		714.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0695	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1931	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0176	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0228	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0086	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0315	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5871	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0354	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211003934
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.4	°C	
Pressure		731.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0885	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0122	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0198	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0280	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1047	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.1962	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2722	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211003950
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.4	°C	
Pressure		711.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0198	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1540	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0059	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0201	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0062	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0477	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6386	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0671	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-10-13 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-10-14 00:00

Set Index: 1  
WBEA ID: 211003954  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.4	°C	
Pressure		733.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0368	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1775	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0190	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0091	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0648	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5881	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0477	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-10-13 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-10-14 00:00

Set Index: 1  
WBEA ID: 211003960  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.4	°C	
Pressure		723.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0260	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1567	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0063	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0403	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0162	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0838	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5708	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0237	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211004312
Start Date:	2021-10-18 11:55	End Date:	2021-10-18 11:56	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.1575	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0014	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0010	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211004038
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.1	°C	
Pressure		742.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0865	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1720	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0061	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0183	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0081	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0916	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7120	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0419	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM2.5 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-10-19 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-10-20 00:00**

Set Index: **1**  
WBEA ID: **211004065**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		1.4	°C	
Pressure		744.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0299	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1573	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0053	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0182	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0059	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.4600	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211004071
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had a temp diff status code. Total sampling time = 24:00, Valid sample time = 23:27.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.4	°C	
Pressure		736.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0050	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0040	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.3593	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211004076
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.4	°C	
Pressure		722.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.1532	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0050	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0045	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.3755	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211004316
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.9	°C	
Pressure		716.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0182	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0428	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0053	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.5658	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0186	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211004350
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.6	°C	
Pressure		724.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0184	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1592	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0059	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0063	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0035	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.3839	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211004411
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.3	°C	
Pressure		712.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0125	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0058	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0333	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0036	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2796	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.5079	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.5004	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM2.5 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-10-25 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-10-26 00:00**

Set Index: **1**  
WBEA ID: **211004417**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		6.9	°C	
Pressure		723.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0183	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2116	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0333	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0107	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2450	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.6512	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.5318	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211004424
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.4	°C	
Pressure		702.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0071	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.3056	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0022	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0608	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0060	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2838	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.8350	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.6224	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211004439
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.4	°C	
Pressure		721.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0145	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0046	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0236	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0039	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.3757	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.4442	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4902	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211004452
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.1	°C	
Pressure		696.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.1574	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0273	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0055	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.3529	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.9972	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.7164	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211004499
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.6	°C	
Pressure		704.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0224	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0040	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1932	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.9487	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.6477	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211004621
Start Date:	2021-10-26 12:40	End Date:	2021-10-26 14:41	Duration:	2.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.1467	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.0439	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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		Deployment Information		
Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 211004651
Start Date:	2021-10-27 14:35	End Date:	2021-10-27 14:36	Duration: 0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0007	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.0392	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211004624
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.1	°C	
Pressure		725.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0173	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1688	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0030	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0152	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0055	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.5236	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211004633
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.1	°C	
Pressure		717.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0262	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2013	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0053	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0083	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0088	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.3307	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211004655
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.7	°C	
Pressure		744.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0521	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0077	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0166	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0089	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0255	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3667	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211004707
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

---

### Notes

Power outage resulted in short sampling duration.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.2	°C	
Pressure		723.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0173	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1845	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0049	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0147	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0071	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0005	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.4007	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-10-31 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-11-01 00:00

Set Index: 1  
WBEA ID: 211004712  
Duration: 24.0 hr

---

### Notes

Raining during sample collection.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.5	°C	
Pressure		745.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1041	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2283	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0170	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0117	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0179	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1281	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3133	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211004718
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 22:38.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.5	°C	
Pressure		737.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0277	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2021	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0070	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0106	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0091	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0481	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2974	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211104809
Start Date:	2021-11-05 13:25	End Date:	2021-11-05 13:26	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.0468	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211104745
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.0	°C	
Pressure		708.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0153	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0042	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0030	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0054	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0030	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1099	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9290	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2896	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Conklin  
Start Date: 2021-11-06 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-11-07 00:00

Set Index: 1  
WBEA ID: 211104751  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.4	°C	
Pressure		701.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0090	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0011	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0027	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0074	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0024	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0901	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7007	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1519	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211104775
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.6	°C	
Pressure		726.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0049	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0021	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1942	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4328	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0679	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211104796
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

---

### Notes

Low sample volume due to power blip on sample day.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.1	°C	
Pressure		706.5	mmHg	
Sample Volume		21.1	m <sup>3</sup>	V6
Particulate Matter	0.042	8.483	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0072	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0101	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0439	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0035	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0096	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1935	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9309	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1439	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM2.5 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-11-06 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-11-07 00:00**

Set Index: **1**  
WBEA ID: **211104802**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		2.0	°C	
Pressure		728.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0102	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0034	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0123	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0034	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0031	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.5906	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.0826	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3921	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-11-06 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-11-07 00:00

Set Index: 1  
WBEA ID: 211104813  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.9	°C	
Pressure		717.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0221	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0017	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0013	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3342	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.2182	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3838	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211104831
Start Date:	2021-11-09 08:36	End Date:	2021-11-09 08:37	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.0046	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	0.0002	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.0513	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Anzac  
Start Date: 2021-11-12 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-11-13 00:00

Set Index: 1  
WBEA ID: 211104820  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.3	°C	
Pressure		714.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0148	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0087	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0079	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0324	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0110	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0021	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0629	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6747	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1141	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211104826
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.1	°C	
Pressure		726.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0087	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0026	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0036	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0275	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0103	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0020	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1713	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8740	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1851	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-11-12 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-11-13 00:00

Set Index: 1  
WBEA ID: 211104835  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.7	°C	
Pressure		735.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0248	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0166	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0023	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1953	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8329	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1895	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211104855
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.5	°C	
Pressure		734.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0130	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0036	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0257	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0105	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0012	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2403	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.2452	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3748	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211104869
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.2	°C	
Pressure		708.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0027	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0309	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0095	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0023	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3012	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.1596	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3678	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211104875
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.7	°C	
Pressure		716.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0298	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0130	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0013	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2325	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6414	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1171	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211104891
Start Date:	2021-11-15 10:49	End Date:	2021-11-15 10:50	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.0510	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211104886
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.4	°C	
Pressure		710.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0457	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0071	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0045	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.7871	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6586	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2662	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: **PM2.5 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-11-18 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-11-19 00:00**

Set Index: **1**  
WBEA ID: **211104895**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		-4.9	°C	
Pressure		732.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.0052	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0446	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0150	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0036	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.3225	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7838	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4278	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211104903
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had a temp diff status code. Total sampling time = 24:00, Valid sampling time = 23:13.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.6	°C	
Pressure		722.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0345	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0067	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0036	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.2616	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5670	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3798	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211104921
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.4	°C	
Pressure		730.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0186	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0054	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0039	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0427	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0075	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0054	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.2839	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7846	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3734	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211104932
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.9	°C	
Pressure		714.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0064	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0472	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0075	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0008	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.5354	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.0205	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.6163	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211104958
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.6	°C	
Pressure		705.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0690	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0080	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0035	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	2.0563	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.0317	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.7808	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211105017
Start Date:	2021-11-23 16:35	End Date:	2021-11-23 16:36	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.0031	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0028	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0011	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-11-24 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-11-25 00:00

Set Index: 1  
WBEA ID: 211104968  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		743.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0085	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0366	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0074	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0214	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1300	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0020	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.9392	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7537	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1516	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211104975
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

---

### Notes

Upon sample change-out, partisol 2.5A had a temp.diff. error code. Valid sampling time was 22:06.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		734.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.0072	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0045	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0184	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0845	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0015	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.8249	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7497	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1230	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211104993
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		741.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0219	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0496	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0090	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0246	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1353	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0007	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.0561	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9075	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2391	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211105004
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		722.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.0072	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0067	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0250	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0975	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0020	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.8106	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9485	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2202	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211105023
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		713.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.0064	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0075	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0372	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0928	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0028	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.8586	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.0002	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2616	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211105028
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		719.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0055	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0244	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0938	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.6405	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8057	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0782	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211105081
Start Date:	2021-11-26 13:20	End Date:	2021-11-26 13:21	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211105035
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

---

### Notes

Upon sample change-out, partisol 2.5A had a temp.diff. error code. Valid sampling time was 18:37.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.2	°C	
Pressure		716.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0123	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0057	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0027	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0224	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0150	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0008	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.4121	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6530	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1093	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: **PM2.5 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-11-30 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-12-01 00:00**

Set Index: **1**  
WBEA ID: **211105041**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		-3.9	°C	
Pressure		728.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0169	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0098	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0032	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0670	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0360	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0008	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.7656	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6514	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1887	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211105048
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.3	°C	
Pressure		706.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.0050	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0163	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0065	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0047	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3996	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211105058
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.5	°C	
Pressure		726.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0682	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0242	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0083	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0298	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0309	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0025	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.5443	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7442	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0675	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211105075
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.2	°C	
Pressure		699.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.0047	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0186	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0053	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1279	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3521	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211105085
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.0	°C	
Pressure		708.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0068	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0047	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0020	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0121	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0059	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0077	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3105	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

		Deployment Information		
Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 211205147
Start Date:	2021-12-03 15:45	End Date:	2021-12-03 15:46	Duration: 0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0022	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0013	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.0021	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205096
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-20.0	°C	
Pressure		714.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0117	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0063	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0159	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0011	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1900	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4024	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-12-06 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-12-07 00:00

Set Index: 1  
WBEA ID: 211205110  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		738.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0058	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0137	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0002	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2737	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3806	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211205116
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 11:08.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C	
Pressure		727.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0387	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0115	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0168	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0076	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.4476	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3890	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0070	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211205121
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		709.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0356	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0119	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0120	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0171	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0009	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2807	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3924	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Janvier  
Start Date: 2021-12-06 00:00

Samp Use: Exposure  
Loc ID: JANV  
End Date: 2021-12-07 00:00

Set Index: 1  
WBEA ID: 211205130  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		716.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.2019	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0015	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1828	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3759	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205153
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		734.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0669	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0109	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0631	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0343	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0031	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.9977	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9525	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2074	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211205252
Start Date:	2021-12-10 11:00	End Date:	2021-12-10 11:01	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0007	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.0888	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Conklin  
Start Date: 2021-12-12 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-12-13 00:00

Set Index: 1  
WBEA ID: 211205218  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.8	°C	
Pressure		696.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0153	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0071	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0187	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0229	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0050	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1190	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.0039	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0511	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205224
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.5	°C	
Pressure		703.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0254	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0112	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0178	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0304	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0029	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1507	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.1538	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0559	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205235
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 01:00.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		721.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0300	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0166	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0066	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0353	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0034	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1992	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6503	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211205254
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C	
Pressure		709.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0402	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0235	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0145	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0233	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0047	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1103	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.2059	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1836	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205261
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C	
Pressure		702.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0159	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0075	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0109	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0246	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0042	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1175	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.2181	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1641	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-12-12 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-12-13 00:00

Set Index: 1  
WBEA ID: 211205267  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C	
Pressure		724.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0202	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0075	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0205	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0260	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0029	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2997	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7907	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0846	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211205327
Start Date:	2021-12-17 15:55	End Date:	2021-12-17 15:56	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0018	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205280
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		714.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0387	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0156	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0296	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0278	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0029	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.3001	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5669	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2018	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Conklin  
Start Date: 2021-12-18 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-12-19 00:00

Set Index: 1  
WBEA ID: 211205289  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		707.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0253	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0180	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0409	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0327	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0079	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	2.5324	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7727	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.8812	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-12-18 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-12-19 00:00

Set Index: 1  
WBEA ID: 211205301  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		722.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0310	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0176	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0601	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0461	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0039	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.7074	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7903	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4631	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205307
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00; Valid sampling time = 01:00.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C	
Pressure		733.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0497	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0171	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0549	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0556	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0034	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.7029	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.2920	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.6025	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205321
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-21.0	°C	
Pressure		712.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0220	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0107	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0568	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0445	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0043	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.8991	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9113	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.5896	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: **PM2.5 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-12-18 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-12-19 00:00**

Set Index: **1**  
WBEA ID: **211205329**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		-22.0	°C	
Pressure		736.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0224	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0102	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0418	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0404	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0016	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.3833	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7191	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3245	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205351
Start Date:	2021-12-21 11:30	End Date:	2021-12-21 11:31	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.0865	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Patricia McInnes  
Start Date: 2021-12-24 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-12-25 00:00

Set Index: 1  
WBEA ID: 211205336  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		718.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0050	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0197	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1421	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3564	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211205344
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		733.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1070	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0060	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0169	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0121	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0889	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0015	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3652	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6975	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0020	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205355
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C	
Pressure		708.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0165	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0053	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0181	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0025	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0225	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6439	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211205364
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-21.0	°C	
Pressure		703.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0233	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0067	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0036	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0184	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0021	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0150	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5820	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0024	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205368
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-21.0	°C	
Pressure		710.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0126	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0043	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0037	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0155	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0011	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0093	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6872	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205376
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 01:00.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		729.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0201	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0129	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0239	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0015	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1798	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3297	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211205474
Start Date:	2021-12-29 10:05	End Date:	2021-12-29 10:06	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0018	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.0838	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211205452
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-33.0	°C	
Pressure		722.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0412	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0133	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0500	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0969	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.3156	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0036	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.0886	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.3345	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1862	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM2.5 Ion  
Location: Athabasca Valley  
Start Date: 2021-12-30 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-12-31 00:00

Set Index: 1  
WBEA ID: 211205458  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-31.0	°C	
Pressure		737.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0412	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0322	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0594	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0457	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.3777	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0056	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.0766	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8459	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0913	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205466
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-30.0	°C	
Pressure		712.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0088	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0134	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0553	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0217	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.3679	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0034	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.1468	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.2139	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1736	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Conklin  
Start Date: 2021-12-30 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-12-31 00:00

Set Index: 1  
WBEA ID: 211205478  
Duration: 24.0 hr

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### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-27.0	°C	
Pressure		706.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0522	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0133	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0440	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0300	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.3515	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0012	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.9695	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.0750	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0852	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM2.5 Ion  
Location: Janvier  
Start Date: 2021-12-30 00:00

Samp Use: Exposure  
Loc ID: JANV  
End Date: 2021-12-31 00:00

Set Index: 1  
WBEA ID: 211205485  
Duration: 24.0 hr

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### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-27.0	°C	
Pressure		713.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0390	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0226	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0431	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0035	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.3498	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0035	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.8758	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8668	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0340	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205491
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

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### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 01:00.

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-32.0	°C	
Pressure		733.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0359	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0193	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0289	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.2059	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0041	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.8815	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1383	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 210100027
Start Date:	2021-01-03 12:32	End Date:	2021-01-03 12:33	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000025	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.014835	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000569	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000010	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.004325	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000066	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000068	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000078	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000112	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000142	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.019024	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000689	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000012	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001323	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000097	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	21010001
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C	
Pressure		705.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.003341	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000034	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000047	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000273	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000019	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.019459	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000890	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000033	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000050	µg/m <sup>3</sup>	V0
Iron	0.001585	0.010111	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000099	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000058	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.003070	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000363	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000265	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000505	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000131	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.029277	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.022684	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000036	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.028896	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.011770	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000050	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000598	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000030	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000920	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000130	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.001536	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002020	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210100014
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

### Notes

Warning alarm on Partisol of Temp Diff (R1) and sample Period (P) during sample collection: Valid= 04:55; Total=24:00

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		727.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006197	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000096	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000067	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001444	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000013	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.039608	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000015	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001192	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000026	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000494	µg/m <sup>3</sup>	V0
Iron	0.001585	0.024769	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000101	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000061	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005838	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001717	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000322	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000548	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000107	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.040957	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.091114	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000260	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.019415	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.024076	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000140	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000538	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000089	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001278	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000102	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.001448	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.010412	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100024
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-7.3	°C	
Pressure		699.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000052	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000074	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000214	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000044	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.016314	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000710	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000016	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000048	µg/m <sup>3</sup>	V0
Iron	0.001585	0.008562	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000193	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000054	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001730	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000205	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000095	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000274	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000146	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.015243	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.018129	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000055	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.011489	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000048	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000681	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000034	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000573	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000073	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000084	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001328	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210100031
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		717.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.005952	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000067	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000061	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000513	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000015	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.021732	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000018	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001248	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000023	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000229	µg/m <sup>3</sup>	V0
Iron	0.001585	0.022742	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000132	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000051	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004706	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000778	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000314	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000543	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000090	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.045884	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.027936	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000074	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.018865	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.022084	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000085	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000423	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000132	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000908	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000089	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.001518	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003478	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100044
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		726.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.015284	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000052	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000106	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000583	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.033364	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000021	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001579	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000026	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000312	µg/m <sup>3</sup>	V0
Iron	0.001585	0.026903	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000054	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000108	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.006483	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001360	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000276	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000582	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000351	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.028268	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.023884	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000057	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.040122	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.012983	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000103	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001528	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000020	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000059	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002221	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000113	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000349	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003782	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210100056
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		707.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.003594	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000084	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000032	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000201	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000016	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.016237	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001077	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000014	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000094	µg/m <sup>3</sup>	V0
Iron	0.001585	0.012527	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000088	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000065	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.003830	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000251	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000135	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000277	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000183	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021266	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.014742	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000036	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.015723	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.009896	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000048	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000743	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000054	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000528	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000074	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000503	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 210100113
Start Date:	2021-01-07 15:05	End Date:	2021-01-07 15:06	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
 Mass Flag: 'b1', Field/-dynamic blank.  
 Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000024	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000016	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000058	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.014777	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001416	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000019	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.008704	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000073	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.000623	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000215	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000088	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000439	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000239	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.015040	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.000983	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000024	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001008	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000059	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000773	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000095	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000023	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100066
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.6	°C	
Pressure		711.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.007444	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000255	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000155	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000218	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000050	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.019745	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000014	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001306	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000020	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.014089	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000155	µg/m <sup>3</sup>	V4
Lead	0.000018	0.000103	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000080	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.003962	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000378	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000085	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000535	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000301	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.027482	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.033486	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000055	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.034381	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.028840	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000069	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001265	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000017	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000044	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000782	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000117	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000056	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001898	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100073
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-7.9	°C	
Pressure		730.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.008110	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000087	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000104	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000603	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000070	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.027701	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000020	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000962	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000018	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000260	µg/m <sup>3</sup>	V0
Iron	0.001585	0.018415	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000028	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000187	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000042	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004726	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001001	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000137	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000379	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000116	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.034355	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.114565	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000222	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.027565	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000090	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000470	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000079	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000779	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000132	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000337	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.010144	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210100086
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.4	°C	
Pressure		722.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006559	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000178	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000108	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001065	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000058	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.041886	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000022	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000675	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000024	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000430	µg/m <sup>3</sup>	V0
Iron	0.001585	0.016053	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000023	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000280	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000054	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002791	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000422	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000104	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000153	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000252	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.030477	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.051298	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000109	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.028386	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.020517	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000085	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001036	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000019	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000126	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000782	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000175	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000032	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003094	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	21010091
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 19:45.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C	
Pressure		732.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000190	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000132	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000965	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000015	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000033	µg/m <sup>3</sup>	V0
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	0.000014	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000756	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000014	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000456	µg/m <sup>3</sup>	V0
Iron	0.001585	0.018380	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000147	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000057	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001902	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000353	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000238	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000225	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000762	µg/m <sup>3</sup>	V4
Palladium	0.000050	0.000074	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.034767	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.025735	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000042	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.031915	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.015066	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000049	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.011970	µg/m <sup>3</sup>	V4
Thallium	0.000005	0.000063	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000129	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000658	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001202	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000033	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002003	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100103
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.6	°C	
Pressure		706.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	14.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.009214	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000294	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000662	µg/m <sup>3</sup>	V4
Barium	0.000054	0.000441	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000127	µg/m <sup>3</sup>	V4
Calcium	0.013042	0.020776	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001423	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000031	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000248	µg/m <sup>3</sup>	V0
Iron	0.001585	0.017364	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000062	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000780	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000037	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002917	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000630	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000097	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000599	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000144	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.058521	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.061490	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000117	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.028278	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000072	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000506	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000108	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000653	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000104	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000068	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.006067	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210100115
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.7	°C	
Pressure		713.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006166	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000167	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000346	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000294	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000085	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.021447	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001031	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000018	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000138	µg/m <sup>3</sup>	V0
Iron	0.001585	0.013156	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000037	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000486	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000030	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002011	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000481	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000070	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000309	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000089	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.026163	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.049224	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000077	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.010693	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.016124	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000055	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000359	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000066	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000559	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000125	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000041	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004049	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100142
Start Date:	2021-01-11 14:40	End Date:	2021-01-11 14:41	Duration:	0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000082	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.016425	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001720	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000020	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000067	µg/m <sup>3</sup>	V0
Iron	0.001585	0.008845	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000026	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.000316	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000178	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000039	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000736	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000111	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.037078	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.013765	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000017	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000513	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000367	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000073	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100127
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.3	°C	
Pressure		706.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000016	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000059	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.014907	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000589	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000009	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.004130	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000022	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002289	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000117	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000142	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000046	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.023525	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.000944	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.016536	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000026	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000208	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000217	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000079	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Janvier	Loc ID:	JANV
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00
		Set Index:	1
		WBEA ID:	210100134
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.4	°C	
Pressure		713.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.003610	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000180	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000130	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000164	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000022	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.017760	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001019	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000011	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001341	µg/m <sup>3</sup>	V0
Iron	0.001585	0.009226	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000180	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000070	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002314	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000238	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000182	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000336	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000075	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.032519	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.006670	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000021	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.012817	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000037	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000330	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000055	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000493	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000100	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000082	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000327	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100150
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.7	°C	
Pressure		731.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010181	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000016	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000018	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000127	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000018	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.023623	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001331	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000018	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000033	µg/m <sup>3</sup>	V0
Iron	0.001585	0.017982	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000049	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000026	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002775	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000725	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000087	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000400	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000090	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.031816	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.010347	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000024	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.006837	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000052	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000430	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000023	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000648	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000104	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000211	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001023	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100161
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.0	°C	
Pressure		711.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000039	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000055	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000092	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000030	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.013748	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000436	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000014	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000046	µg/m <sup>3</sup>	V0
Iron	0.001585	0.010722	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000039	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000048	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.000863	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000220	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000115	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000106	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000227	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000059	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.020737	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.022811	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000037	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.004650	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000036	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000751	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000080	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000012	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000334	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000151	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000266	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210100165
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 10:08.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.1	°C	
Pressure		732.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.025059	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000154	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000033	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001551	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000030	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.108717	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000037	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000834	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000209	µg/m <sup>3</sup>	V4
Copper	0.000027	0.000661	µg/m <sup>3</sup>	V0
Iron	0.001585	0.037062	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000115	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000058	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.009273	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001788	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000126	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001888	µg/m <sup>3</sup>	V4
Niobium	0.000006	0.000093	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.033210	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.086202	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000189	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.058157	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.035592	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000256	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000422	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000093	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001711	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000131	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000232	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.009991	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210100170
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.7	°C	
Pressure		723.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.004359	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000129	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000096	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000625	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000024	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000034	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.028300	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000018	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000010	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001049	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000025	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000369	µg/m <sup>3</sup>	V0
Iron	0.001585	0.015486	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000155	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000101	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001958	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000806	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000319	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000523	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000675	µg/m <sup>3</sup>	V4
Palladium	0.000050	0.000136	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.025567	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.032801	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000076	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000014	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.007807	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000068	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.006779	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000307	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000071	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000664	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001211	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000454	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003402	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210100246
Start Date:	2021-01-20 15:00	End Date:	2021-01-20 15:01	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000022	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000025	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.013184	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000394	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000014	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.004925	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000039	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000069	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000060	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000052	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000108	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.017499	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.001703	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.015914	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000022	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000444	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000218	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000274	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000072	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100195
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		736.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.076419	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000025	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000019	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000745	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.120015	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000088	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000951	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000040	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000121	µg/m <sup>3</sup>	V0
Iron	0.001585	0.069366	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000042	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000151	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000094	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.030512	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001545	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000088	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000039	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000547	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000092	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.023729	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.022985	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000097	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.222541	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.083637	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000380	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000322	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000096	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003554	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000076	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000550	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100203
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C	
Pressure		708.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.003280	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000018	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000087	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000024	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.019762	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000670	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000014	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.007302	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000020	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000019	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.007078	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000181	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000117	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000248	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000047	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.015952	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.019614	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000027	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.025409	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.029109	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000067	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000162	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000020	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000591	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000073	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000642	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210100211
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C	
Pressure		716.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000038	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000042	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000131	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.018247	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.010312	µg/m <sup>3</sup>	V4
Cobalt	0.000005	0.000121	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000450	µg/m <sup>3</sup>	V0
Iron	0.001585	0.041841	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000046	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.008741	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001230	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000601	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.004601	µg/m <sup>3</sup>	V4
Niobium	0.000006	0.000061	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000064	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.008548	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.005085	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.039180	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000075	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000137	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000044	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000932	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000073	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.002435	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210100235
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

### Notes

Warning messages of Temp Diff (R1) Sample Period (P): Valid=12:24, Total= 24:00.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C	
Pressure		736.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.007404	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000037	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000032	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000368	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.039854	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000018	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000560	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000016	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000270	µg/m <sup>3</sup>	V0
Iron	0.001585	0.012923	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000068	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.013846	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000505	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000124	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000137	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000068	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000162	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.008357	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.035189	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000073	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.010342	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.067299	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000156	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000195	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000442	µg/m <sup>3</sup>	V4
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000043	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000908	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000118	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000043	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001328	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100240
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C	
Pressure		714.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000040	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000027	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000168	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.018639	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000016	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001094	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000018	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000384	µg/m <sup>3</sup>	V0
Iron	0.001585	0.007799	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000022	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000054	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.009567	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000232	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000132	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000377	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000048	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000104	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.007448	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.010769	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.043882	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000076	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000146	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000303	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000027	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000645	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000069	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000432	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210100252
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		727.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.004555	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000043	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000029	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000355	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.032866	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001122	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000019	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000091	µg/m <sup>3</sup>	V0
Iron	0.001585	0.013889	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000033	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000041	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.012224	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000721	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000171	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000233	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000071	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.011653	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.045569	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000103	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.022468	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.061654	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000136	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000306	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000141	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000064	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000689	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000077	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000357	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002635	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 210100303
Start Date:	2021-01-27 12:00	End Date:	2021-01-27 12:01	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000815	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000010	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000408	µg/m <sup>3</sup>	V0
Iron	0.001585	0.004318	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000020	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000076	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000033	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000299	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000086	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.006499	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000015	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000321	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000010	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000258	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000057	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100260
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		738.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.039680	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000156	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000169	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000344	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000019	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000049	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.051245	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000032	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000012	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001147	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000033	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000395	µg/m <sup>3</sup>	V0
Iron	0.001585	0.034498	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000068	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000176	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.006488	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001081	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000500	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000031	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000587	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000381	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000319	µg/m <sup>3</sup>	V4
Phosphorus	0.003480	0.012425	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.023978	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000066	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000019	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.056082	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000036	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.027647	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000135	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.003587	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.003014	µg/m <sup>3</sup>	V4
Thorium	0.000002	0.000030	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000084	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001617	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000990	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000013	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001276	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001751	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100276
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		716.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.003640	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000060	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000095	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000394	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000016	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000021	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000033	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.022501	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000048	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000024	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000707	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000074	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000114	µg/m <sup>3</sup>	V0
Iron	0.001585	0.008952	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000043	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000088	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000105	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002386	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000256	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000192	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000040	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000160	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000118	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000188	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.018552	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000022	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.027829	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000042	µg/m <sup>3</sup>	V4
Rubidium	0.000003	0.000076	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000036	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000012	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.012667	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000080	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000376	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000755	µg/m <sup>3</sup>	V4
Thorium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000056	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000893	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000153	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000014	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000287	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000302	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Conklin	Loc ID:	CONK
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00
		Set Index:	1
		WBEA ID:	210100283
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		710.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.005628	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000080	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000075	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000460	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000018	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.024042	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000578	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000013	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000047	µg/m <sup>3</sup>	V0
Iron	0.001585	0.014019	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000189	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000040	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.003405	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000354	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000064	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000083	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000136	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021264	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.030210	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000039	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.010205	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.015678	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000086	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000522	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000050	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000037	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000601	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000145	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000034	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210100288
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 08:19.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		739.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.011638	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000087	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000069	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000593	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000032	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.035705	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000023	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001373	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000024	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000386	µg/m <sup>3</sup>	V0
Iron	0.001585	0.024711	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000213	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000055	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005092	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000914	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000509	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000612	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000110	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.029632	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.023350	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000063	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.045769	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.025014	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000112	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000392	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000025	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000086	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001284	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000107	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.002813	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001205	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Janvier	Loc ID:	JANV
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00
		Set Index:	1
		WBEA ID:	210100296
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		718.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.004634	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000059	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000050	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000267	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000018	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.029984	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000852	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000014	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.014203	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000138	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000034	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002651	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000239	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000058	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000246	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000128	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.030023	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.023019	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000032	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.014800	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.014352	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000093	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000453	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000036	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000024	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000495	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000075	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210100308
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		729.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.008072	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000101	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000067	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000565	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000015	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.025530	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000022	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001185	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000022	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000429	µg/m <sup>3</sup>	V0
Iron	0.001585	0.025489	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000140	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000038	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004839	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000877	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000468	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000657	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000073	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021774	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.019809	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000047	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.022323	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.023804	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000088	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000311	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000093	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001119	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000063	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.002706	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001101	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100340
Start Date:	2021-01-29 11:45	End Date:	2021-01-29 11:46	Duration:	0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000490	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000009	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.002887	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.001213	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000029	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000124	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000033	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.030475	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000186	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000367	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000032	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100344
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		716.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.012912	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000034	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000066	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000181	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000051	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.035529	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000014	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000760	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000018	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000133	µg/m <sup>3</sup>	V0
Iron	0.001585	0.013060	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000130	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.006448	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000345	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000369	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000265	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000063	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021138	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.019754	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000029	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.026344	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.015814	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000088	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000281	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000043	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001990	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000042	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001650	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000606	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210100352
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

Warning signal of Temp Diff (R1) and Sample Period (P) in partisol. Valid=13:31, Total= 24:00

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		739.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.014131	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000034	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000027	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000308	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000027	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.048399	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000026	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000695	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000019	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000191	µg/m <sup>3</sup>	V0
Iron	0.001585	0.017699	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000101	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.008377	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000677	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000248	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000227	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000050	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.017351	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.044804	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000084	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.036904	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.015287	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000115	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000253	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000051	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001197	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000055	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.001067	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001315	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210100361
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		729.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.008087	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000035	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000024	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000258	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000025	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.029770	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000713	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000015	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000089	µg/m <sup>3</sup>	V0
Iron	0.001585	0.012000	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000086	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.005537	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000384	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000201	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000211	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000038	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.022260	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.031771	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000048	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.029899	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.014292	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000072	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000189	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000031	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000903	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000037	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000775	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000324	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200370
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		738.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.221974	µg/m <sup>3</sup>	V4
Antimony	0.000016	0.000037	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000027	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001935	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000019	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.231147	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000236	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000016	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001016	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000088	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000192	µg/m <sup>3</sup>	V0
Iron	0.001585	0.178980	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000113	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000180	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000243	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.045766	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003498	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000105	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000100	µg/m <sup>3</sup>	V4
Nickel	0.000015	0.000563	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000088	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.024640	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.071947	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000027	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000289	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000021	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.777074	µg/m <sup>3</sup>	V4
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.034053	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000670	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000326	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000037	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000038	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.010222	µg/m <sup>3</sup>	V4
Tungsten	0.000005	0.000100	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000012	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000775	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200387
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		709.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006510	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000034	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000112	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.017634	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000680	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000011	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.012001	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000128	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.003618	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000204	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000124	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000172	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000029	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.024433	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.019101	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000033	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.010557	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.006053	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000043	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000155	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000026	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000600	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000030	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000449	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200396
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		717.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006350	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000034	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000163	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000015	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.016564	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000566	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000014	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.009960	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000130	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.004159	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000232	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000099	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000113	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000028	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021165	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.026315	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000052	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.013141	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.012452	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000040	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000155	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000023	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000612	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000036	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000362	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001510	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 210200414
Start Date:	2021-02-05 11:51	End Date:	2021-02-05 11:52	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.003678	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000066	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000032	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000130	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000684	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000015	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.007799	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.001973	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000140	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000040	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000212	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000440	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000072	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.017254	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.005216	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000027	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.015641	µg/m <sup>3</sup>	V4
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000031	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000876	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000695	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210200403
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		735.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.019854	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000061	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000034	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000220	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000016	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.040331	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000019	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000986	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000019	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000176	µg/m <sup>3</sup>	V0
Iron	0.001585	0.016570	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000496	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000024	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.051606	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000418	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000035	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000322	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000099	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018245	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.036694	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000046	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.051723	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.229339	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000365	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000436	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000037	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000982	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000053	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000073	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001489	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200411
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-27.0	°C	
Pressure		715.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.017475	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000026	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000024	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000257	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.032474	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000014	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000603	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000016	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000040	µg/m <sup>3</sup>	V0
Iron	0.001585	0.013410	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000481	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.041136	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000364	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000029	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000105	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000053	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.037189	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.026877	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000039	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000172	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.046429	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.174759	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000256	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000273	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000057	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001136	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000043	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000048	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200423
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

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### Notes

Field Flag: 'V', Invalid sample (Void).  
PM2.5B Sampler was not put into wait mode for last NAPS day. Sampler did not run Feb 09, 2021.

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### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		-9999	m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200439
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		745.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.130628	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000049	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000071	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001234	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.138290	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000126	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000010	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001078	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000049	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000205	µg/m <sup>3</sup>	V0
Iron	0.001585	0.093256	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000059	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000554	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000118	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.074263	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001785	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000073	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000053	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000538	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000119	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018676	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.078875	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000191	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000011	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.410093	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.273384	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000686	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000549	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000018	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000037	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005756	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000085	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000470	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001201	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210200446
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		721.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006156	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000030	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000061	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000096	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.018060	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000886	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000014	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000133	µg/m <sup>3</sup>	V0
Iron	0.001585	0.009118	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000233	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.018140	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000168	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000028	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000187	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000095	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.019102	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.021851	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000021	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.025202	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.082493	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000120	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000444	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000027	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000476	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000038	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000028	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210200451
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		745.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.037120	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000106	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000095	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000704	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000016	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.062563	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000032	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000695	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000041	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000196	µg/m <sup>3</sup>	V0
Iron	0.001585	0.034717	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000015	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000596	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000030	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.066890	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000872	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000041	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000253	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000052	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.017864	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.045517	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000068	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.082906	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.293433	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000469	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000256	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000046	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001604	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000096	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000104	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000684	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200483
Start Date:	2021-02-10 13:45	End Date:	2021-02-10 13:46	Duration:	0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.004937	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000018	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000066	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.018000	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000615	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000014	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.006679	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.002201	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000093	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000033	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000168	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000058	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.017626	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.003432	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000020	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000276	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000014	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000567	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000078	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000024	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210200462
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		713.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.007688	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000048	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000307	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000011	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000035	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.016182	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000544	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000013	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000047	µg/m <sup>3</sup>	V0
Iron	0.001585	0.006627	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000187	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.010457	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000210	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000025	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000104	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000100	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000057	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.025664	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.055942	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000129	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.014457	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.032961	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000102	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000518	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000020	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000558	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000083	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000030	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002348	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200466
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		707.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006312	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000060	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000036	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000345	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.017087	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000635	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000022	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000119	µg/m <sup>3</sup>	V0
Iron	0.001585	0.011531	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000132	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.006902	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000342	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000029	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000238	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000054	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.017800	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.026092	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000021	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.014250	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.019849	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000090	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000276	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000032	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000544	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000040	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000028	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210200472
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		735.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.009698	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000067	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000023	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000494	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000023	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.022922	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000439	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000016	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000608	µg/m <sup>3</sup>	V0
Iron	0.001585	0.010734	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000180	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.010776	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000218	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000043	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000137	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000069	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.027510	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.050559	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000095	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.031610	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.047810	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000110	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000279	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000046	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001336	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000049	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000035	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001593	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200485
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

### Notes

No field info. Sample data shows as blank.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		717.9	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Aluminum	0.002800	-9999	µg/m <sup>3</sup>	M2
Antimony	0.000016	-9999	µg/m <sup>3</sup>	M2
Arsenic	0.000005	-9999	µg/m <sup>3</sup>	M2
Barium	0.000054	-9999	µg/m <sup>3</sup>	M2
Beryllium	0.000013	-9999	µg/m <sup>3</sup>	M2
Bismuth	0.000004	-9999	µg/m <sup>3</sup>	M2
Cadmium	0.000011	-9999	µg/m <sup>3</sup>	M2
Calcium	0.013042	-9999	µg/m <sup>3</sup>	M2
Cerium	0.000013	-9999	µg/m <sup>3</sup>	M2
Cesium	0.000004	-9999	µg/m <sup>3</sup>	M2
Chromium	0.000045	-9999	µg/m <sup>3</sup>	M2
Cobalt	0.000005	-9999	µg/m <sup>3</sup>	M2
Copper	0.000027	-9999	µg/m <sup>3</sup>	M2
Iron	0.001585	-9999	µg/m <sup>3</sup>	M2
Lanthanum	0.000004	-9999	µg/m <sup>3</sup>	M2
Lead	0.000018	-9999	µg/m <sup>3</sup>	M2
Lithium	0.000016	-9999	µg/m <sup>3</sup>	M2
Magnesium	0.000279	-9999	µg/m <sup>3</sup>	M2
Manganese	0.000028	-9999	µg/m <sup>3</sup>	M2
Molybdenum	0.000025	-9999	µg/m <sup>3</sup>	M2
Neodymium	0.000005	-9999	µg/m <sup>3</sup>	M2
Nickel	0.000015	-9999	µg/m <sup>3</sup>	M2
Niobium	0.000006	-9999	µg/m <sup>3</sup>	M2
Palladium	0.000050	-9999	µg/m <sup>3</sup>	M2
Phosphorus	0.003480	-9999	µg/m <sup>3</sup>	M2
Platinum	0.000004	-9999	µg/m <sup>3</sup>	M2
Potassium	0.000402	-9999	µg/m <sup>3</sup>	M2
Praseodymium	0.000002	-9999	µg/m <sup>3</sup>	M2
Rubidium	0.000003	-9999	µg/m <sup>3</sup>	M2
Samarium	0.000006	-9999	µg/m <sup>3</sup>	M2
Selenium	0.000133	-9999	µg/m <sup>3</sup>	M2
Silicon	0.010200	-9999	µg/m <sup>3</sup>	M2
Silver	0.000006	-9999	µg/m <sup>3</sup>	M2
Sodium	0.000777	-9999	µg/m <sup>3</sup>	M2
Strontium	0.000012	-9999	µg/m <sup>3</sup>	M2
Tantalum	0.000003	-9999	µg/m <sup>3</sup>	M2
Thallium	0.000005	-9999	µg/m <sup>3</sup>	M2
Thorium	0.000002	-9999	µg/m <sup>3</sup>	M2
Tin	0.000008	-9999	µg/m <sup>3</sup>	M2
Titanium	0.000031	-9999	µg/m <sup>3</sup>	M2
Tungsten	0.000005	-9999	µg/m <sup>3</sup>	M2
Uranium	0.000003	-9999	µg/m <sup>3</sup>	M2
Vanadium	0.000018	-9999	µg/m <sup>3</sup>	M2
Zinc	0.000149	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210200491
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		725.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010612	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000119	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000061	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000546	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000023	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000023	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.027226	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000018	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000007	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000803	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000021	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000257	µg/m <sup>3</sup>	V0
Iron	0.001585	0.014677	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000268	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000047	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.013898	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000361	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000075	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000344	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000314	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000124	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.037184	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.080492	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000086	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.034391	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.056237	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000138	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.007154	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000121	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001018	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000565	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000046	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001122	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200501
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		734.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	17.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.482678	µg/m <sup>3</sup>	V4
Antimony	0.000016	0.000083	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000144	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004360	µg/m <sup>3</sup>	V4
Beryllium	0.000013	0.000020	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000018	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.741606	µg/m <sup>3</sup>	V4
Cerium	0.000013	0.000493	µg/m <sup>3</sup>	V4
Cesium	0.000004	0.000035	µg/m <sup>3</sup>	V4
Chromium	0.000045	0.001507	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000181	µg/m <sup>3</sup>	V4
Copper	0.000027	0.000722	µg/m <sup>3</sup>	V0
Iron	0.001585	0.389444	µg/m <sup>3</sup>	V4
Lanthanum	0.000004	0.000232	µg/m <sup>3</sup>	V4
Lead	0.000018	0.000423	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000416	µg/m <sup>3</sup>	V4
Magnesium	0.000279	0.102925	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.007498	µg/m <sup>3</sup>	V4
Molybdenum	0.000025	0.000484	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000212	µg/m <sup>3</sup>	V4
Nickel	0.000015	0.001185	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000118	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.027850	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.166230	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000056	µg/m <sup>3</sup>	V4
Rubidium	0.000003	0.000685	µg/m <sup>3</sup>	V4
Samarium	0.000006	0.000043	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.386589	µg/m <sup>3</sup>	V4
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.142289	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001773	µg/m <sup>3</sup>	V4
Tantalum	0.000003	0.000330	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000073	µg/m <sup>3</sup>	V4
Tin	0.000008	0.000068	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.022519	µg/m <sup>3</sup>	V4
Tungsten	0.000005	0.000187	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000023	µg/m <sup>3</sup>	V4
Vanadium	0.000018	0.002731	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003954	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210200519
Start Date:	2021-02-16 14:10	End Date:	2021-02-16 14:11	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006280	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000014	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000354	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000010	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000052	µg/m <sup>3</sup>	V0
Iron	0.001585	0.013176	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.001536	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000137	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000026	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000042	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000018	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000054	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.063513	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.002243	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000013	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000089	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000028	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000391	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000036	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200525
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.2	°C	
Pressure		713.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.021887	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000016	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000228	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000035	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.030795	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000729	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000015	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000032	µg/m <sup>3</sup>	V0
Iron	0.001585	0.015229	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000107	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.006430	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000438	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000040	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000186	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000027	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.054236	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.020379	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000034	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.057350	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.009499	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000071	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000118	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000026	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000793	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000044	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000081	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200538
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.9	°C	
Pressure		690.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010979	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000027	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000119	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.018488	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000734	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000013	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000107	µg/m <sup>3</sup>	V0
Iron	0.001585	0.009617	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000457	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000050	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.003776	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000313	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000037	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000159	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000047	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000101	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.056188	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.013189	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000020	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.025108	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.005388	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000045	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000240	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000048	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000556	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000107	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000029	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200544
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.7	°C	
Pressure		697.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006168	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000016	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000080	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.013261	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000379	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000012	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.005920	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000069	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.002095	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000151	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000047	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000028	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000067	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.043485	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.011246	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.014715	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.003552	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000026	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000131	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000012	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000442	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000061	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210200553
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

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### Notes

Field Flag: 'V', Invalid sample (Void).  
Sample is invalid because pump was left running after calibration on Feb 19, 2021. Partisol warning signal of HI wait flow (V)

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### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		-9999	m <sup>3</sup>	M2





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210200558
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.9	°C	
Pressure		705.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.009788	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000024	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000243	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.020670	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000368	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000012	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000047	µg/m <sup>3</sup>	V0
Iron	0.001585	0.006548	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000065	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.003366	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000120	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000092	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000023	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.058605	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.009627	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000012	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.019580	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.007286	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000075	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000125	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000018	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000579	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000031	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000018	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PM2.5 Metal  
Location: Athabasca Valley  
Start Date: 2021-02-21 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-02-22 00:00

Set Index: 1  
WBEA ID: 210200581  
Duration: 24.0 hr

### Notes

Partisol warning signal of Temperature Difference. Valid sample= 23:88, Total=240:00

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.0	°C	
Pressure		714.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010919	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000058	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000666	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.018633	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000986	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000018	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000162	µg/m <sup>3</sup>	V0
Iron	0.001585	0.019687	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000058	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.003435	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000304	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000051	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000280	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000031	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.030484	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.009952	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.014251	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.048954	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000062	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000160	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000045	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000717	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000059	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000028	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210200618
Start Date:	2021-02-24 15:50	End Date:	2021-02-24 15:51	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.003399	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000019	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000016	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000060	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.016108	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000460	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000010	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.004655	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.001835	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000094	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000044	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000097	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000075	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018049	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.004957	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000026	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000364	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000023	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000598	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000038	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000018	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200565
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-20.0	°C	
Pressure		735.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	20.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.753213	µg/m <sup>3</sup>	V4
Antimony	0.000016	0.000285	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000140	µg/m <sup>3</sup>	V0
Barium	0.000054	0.005652	µg/m <sup>3</sup>	V4
Beryllium	0.000013	0.000020	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000014	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000025	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.504241	µg/m <sup>3</sup>	V4
Cerium	0.000013	0.000752	µg/m <sup>3</sup>	V4
Cesium	0.000004	0.000053	µg/m <sup>3</sup>	V4
Chromium	0.000045	0.002436	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000240	µg/m <sup>3</sup>	V4
Copper	0.000027	0.000758	µg/m <sup>3</sup>	V0
Iron	0.001585	0.552045	µg/m <sup>3</sup>	V4
Lanthanum	0.000004	0.000341	µg/m <sup>3</sup>	V4
Lead	0.000018	0.000605	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000846	µg/m <sup>3</sup>	V4
Magnesium	0.000279	0.162285	µg/m <sup>3</sup>	V4
Manganese	0.000028	0.011390	µg/m <sup>3</sup>	V4
Molybdenum	0.000025	0.000298	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000322	µg/m <sup>3</sup>	V4
Nickel	0.000015	0.001435	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000120	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000054	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.041896	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.227909	µg/m <sup>3</sup>	V4
Praseodymium	0.000002	0.000086	µg/m <sup>3</sup>	V4
Rubidium	0.000003	0.000965	µg/m <sup>3</sup>	V4
Samarium	0.000006	0.000060	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.342234	µg/m <sup>3</sup>	V4
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.199409	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001917	µg/m <sup>3</sup>	V4
Tantalum	0.000003	0.000181	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000115	µg/m <sup>3</sup>	V4
Tin	0.000008	0.000140	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.031563	µg/m <sup>3</sup>	V4
Tungsten	0.000005	0.000215	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000032	µg/m <sup>3</sup>	V4
Vanadium	0.000018	0.002322	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004560	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210200587
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		713.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.007780	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000036	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000052	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000127	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.020890	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000968	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000014	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000090	µg/m <sup>3</sup>	V0
Iron	0.001585	0.011710	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000203	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.017332	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000323	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000071	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000161	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000042	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018996	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.024900	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000030	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.015720	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.062238	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000126	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000223	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000020	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000750	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000037	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000187	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200593
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		715.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.007956	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000081	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000133	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000027	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.024578	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000014	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002169	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000022	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000120	µg/m <sup>3</sup>	V0
Iron	0.001585	0.016729	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000137	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000121	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.012324	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000388	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000122	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000430	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000133	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000217	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.048721	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.015902	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000028	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000134	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.030126	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.043394	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000087	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002257	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000088	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000022	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000043	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000572	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000438	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000080	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210200599
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 18:22.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		736.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.016196	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000084	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000102	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000655	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000021	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.055409	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000030	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000972	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000025	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000352	µg/m <sup>3</sup>	V0
Iron	0.001585	0.045580	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000015	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000276	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000020	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.024581	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000790	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000312	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000333	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000063	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.019575	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.052286	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000082	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.061007	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.097504	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000236	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000297	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000079	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001480	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000057	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001401	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003036	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200613
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		707.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.008432	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000031	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000172	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000022	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.024366	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001314	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000020	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000055	µg/m <sup>3</sup>	V0
Iron	0.001585	0.017665	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000197	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.013131	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000455	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000061	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000365	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000030	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.042515	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.013643	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000019	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.027220	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.048800	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000098	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000169	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000062	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001118	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000033	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000078	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210200622
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		725.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.017072	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000052	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000084	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000358	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.070897	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000030	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000401	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000020	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000174	µg/m <sup>3</sup>	V0
Iron	0.001585	0.022419	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000286	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000027	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.027493	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000710	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000297	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000245	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000065	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.017006	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.042810	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000075	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000199	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.032987	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.108343	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000256	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000382	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000040	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001217	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000058	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001491	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001127	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 210300663
Start Date:	2021-03-01 13:40	End Date:	2021-03-01 13:41	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000027	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000071	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	0.000018	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000020	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000877	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000015	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001994	µg/m <sup>3</sup>	V0
Iron	0.001585	0.008611	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000067	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000129	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000052	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000301	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000093	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.032217	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000022	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.013621	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000017	µg/m <sup>3</sup>	V0
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	0.000011	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.071127	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.003483	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000462	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000171	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000766	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000063	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000032	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210300656
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.0	°C	
Pressure		712.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.011131	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000124	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000394	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000499	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000032	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000042	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.023699	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000021	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001040	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000023	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000197	µg/m <sup>3</sup>	V0
Iron	0.001585	0.037866	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000029	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000886	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000058	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.003632	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000901	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000068	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000448	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000298	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000083	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.028266	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.076438	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000139	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000314	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.101810	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000024	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.019279	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000138	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.006240	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000053	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001291	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000495	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000072	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000277	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210300666
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 22:16.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.8	°C	
Pressure		733.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.053434	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000256	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000200	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002522	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000030	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000035	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.108303	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000086	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001533	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000073	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001033	µg/m <sup>3</sup>	V0
Iron	0.001585	0.107655	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000063	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001102	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000079	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.020891	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002877	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000187	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000031	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000738	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000130	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000073	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.026355	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000041	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.080412	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000154	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000246	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.204346	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000016	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.146918	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000515	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000723	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000164	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003764	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000227	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000230	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002084	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210300675
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.1	°C	
Pressure		723.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006091	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000103	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000148	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000616	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000014	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000029	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.022959	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000019	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000930	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000018	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000328	µg/m <sup>3</sup>	V0
Iron	0.001585	0.023349	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000023	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000857	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000019	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002519	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000643	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000074	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000279	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000070	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.026637	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.058133	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000077	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000211	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.107094	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.034980	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000125	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000384	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000040	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001421	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000049	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000071	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210300686
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.4	°C	
Pressure		714.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.020034	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000389	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.003570	µg/m <sup>3</sup>	V4
Barium	0.000054	0.000602	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000018	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000056	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.026313	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000031	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000996	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000018	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000307	µg/m <sup>3</sup>	V0
Iron	0.001585	0.034839	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000031	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001169	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.006603	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000810	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000070	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000761	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000045	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.025691	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.073777	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000109	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000186	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.047943	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.026467	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000171	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000253	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000089	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001561	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000053	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000074	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003706	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210300694
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.7	°C	
Pressure		706.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.015630	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000165	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000600	µg/m <sup>3</sup>	V4
Barium	0.000054	0.001077	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000017	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000040	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.031932	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000027	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001618	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000028	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000517	µg/m <sup>3</sup>	V0
Iron	0.001585	0.145689	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000039	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001051	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000024	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.007973	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001927	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000142	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000485	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000069	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.030346	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.061496	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000084	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000368	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.102423	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.031830	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000186	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000458	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000078	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001939	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000063	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000100	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001444	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300704
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.0	°C	
Pressure		732.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.025392	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000117	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000195	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000753	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000017	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000031	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.037295	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000036	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000863	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000070	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000376	µg/m <sup>3</sup>	V0
Iron	0.001585	0.067388	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000033	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000931	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000068	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.008950	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002965	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000356	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000853	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000196	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000055	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.030460	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.061309	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000090	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000222	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.117078	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.040129	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000193	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000975	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000085	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002048	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000074	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001715	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.007898	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 210300721
Start Date:	2021-03-08 14:25	End Date:	2021-03-08 14:26	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000017	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000092	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.002808	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000013	µg/m <sup>3</sup>	V0
Copper	0.000027	0.007633	µg/m <sup>3</sup>	V0
Iron	0.001585	0.025287	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000168	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000023	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000263	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000124	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000277	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000141	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000062	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.026831	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.006244	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.042827	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.005389	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000014	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000852	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000038	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000627	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000073	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000088	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000963	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210300725
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.0	°C	
Pressure		713.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.025549	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000044	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000066	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000520	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000028	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.028380	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000034	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000771	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000022	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000202	µg/m <sup>3</sup>	V0
Iron	0.001585	0.031038	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000023	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000395	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000021	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.006632	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000672	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000055	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000290	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000048	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.031032	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.025243	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000051	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.106785	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.044691	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000204	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000263	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001855	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000044	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000103	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210300731
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 18:16.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.8	°C	
Pressure		735.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.043763	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000213	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000236	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002401	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000039	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000015	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.104173	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000095	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	-8888	µg/m <sup>3</sup>	V1
Cobalt	0.000005	0.000057	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	-8888	µg/m <sup>3</sup>	V1
Lanthanum	0.000004	0.000041	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000415	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000036	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.027240	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000075	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000141	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000033	µg/m <sup>3</sup>	V0
Nickel	0.000015	-8888	µg/m <sup>3</sup>	V1
Niobium	0.000006	0.000060	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.031181	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.052942	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000079	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.139808	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.680605	µg/m <sup>3</sup>	V4
Strontium	0.000012	0.000490	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000080	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000014	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000164	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003589	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000024	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000173	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Patricia McInnes	Loc ID:	PATM
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00
		Set Index:	1
		WBEA ID:	210300742
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.4	°C	
Pressure		725.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.003638	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000058	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000022	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000569	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000023	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.018153	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000014	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000579	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000016	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000173	µg/m <sup>3</sup>	V0
Iron	0.001585	0.016382	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000283	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000025	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004098	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000412	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000061	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000233	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000125	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.022563	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.015862	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000023	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.077594	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.051840	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000112	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000779	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000046	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001174	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000064	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000046	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300753
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		733.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.013041	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000062	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000130	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000641	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000053	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000116	µg/m <sup>3</sup>	V4
Cadmium	0.000011	0.000018	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.039596	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000042	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000010	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.003331	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000049	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000319	µg/m <sup>3</sup>	V0
Iron	0.001585	0.055048	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000744	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000069	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.006898	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001482	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000216	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000021	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000628	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000052	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.026573	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000055	µg/m <sup>3</sup>	V4
Potassium	0.000402	0.028841	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000075	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000009	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.072062	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.076627	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000198	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000286	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000123	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000083	µg/m <sup>3</sup>	V4
Tin	0.000008	0.000030	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002285	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000065	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000071	µg/m <sup>3</sup>	V4
Vanadium	0.000018	0.000631	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210300769
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.5	°C	
Pressure		707.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.007626	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000079	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000129	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000579	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000034	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000026	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.029339	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000025	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000888	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000060	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000181	µg/m <sup>3</sup>	V0
Iron	0.001585	0.052185	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000056	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000528	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.005489	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000907	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000061	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000764	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000049	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.030781	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.030842	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000047	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.047204	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.046951	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000160	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000309	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000013	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001135	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000089	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000115	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210300778
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.6	°C	
Pressure		716.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000026	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000079	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000226	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000015	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.016947	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001222	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000020	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.014056	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000245	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.001058	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000321	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000048	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000333	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000047	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.031304	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.017233	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000008	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.060276	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.033710	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000073	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000268	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000030	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000630	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000055	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000066	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 210300827
Start Date:	2021-03-16 11:02	End Date:	2021-03-16 11:03	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000008	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000304	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000007	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.002451	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000073	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000125	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000076	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.027760	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.003511	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000408	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000540	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000077	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210300785
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.1	°C	
Pressure		734.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.051399	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000214	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000082	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002617	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000014	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000025	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.095430	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000113	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000014	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001123	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000105	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000744	µg/m <sup>3</sup>	V0
Iron	0.001585	0.100655	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000046	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000446	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000046	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.013644	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001740	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000154	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000037	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000537	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000064	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.028846	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.044193	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000082	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.156735	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.129576	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000427	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000291	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000125	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003961	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000143	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000204	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210300791
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.3	°C	
Pressure		714.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.035934	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000037	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000096	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000442	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.034228	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000050	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001288	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000023	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000078	µg/m <sup>3</sup>	V0
Iron	0.001585	0.045409	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000026	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000553	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000025	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.007902	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000916	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000117	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000226	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000067	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.028047	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.023810	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000059	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.103204	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.020476	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000225	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000357	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.003536	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000070	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000130	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210300796
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.3	°C	
Pressure		725.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.042459	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000093	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000131	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000977	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000020	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.060208	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000073	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000957	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000038	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000358	µg/m <sup>3</sup>	V0
Iron	0.001585	0.082527	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000033	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001364	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000033	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.011549	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001580	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000060	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000026	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000227	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000059	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.022966	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.032766	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000075	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.147051	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.054654	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000312	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000361	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000284	µg/m <sup>3</sup>	V4
Titanium	0.000031	0.002891	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000122	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000133	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300812
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.3	°C	
Pressure		733.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.064548	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000084	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000090	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001040	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000021	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000015	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.076344	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000092	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000963	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000041	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000370	µg/m <sup>3</sup>	V0
Iron	0.001585	0.072649	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000043	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000369	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000132	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.011961	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001748	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000128	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000033	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000464	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000296	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000115	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.032473	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.063761	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000156	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000009	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.185299	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000031	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.034904	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000368	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.004527	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000024	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000022	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000028	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003389	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000617	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000346	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210300831
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.2	°C	
Pressure		707.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.036164	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000079	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000126	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000586	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000015	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.043765	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000060	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000951	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000038	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000144	µg/m <sup>3</sup>	V0
Iron	0.001585	0.068827	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000031	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000339	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000060	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.008401	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001182	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000072	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000024	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000327	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000116	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000060	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.027793	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.028367	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000071	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.126678	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000014	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.021577	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000228	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000555	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.002487	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000137	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000130	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210300839
Start Date:	2021-03-19 14:00	End Date:	2021-03-20 14:00	Duration:	24.0 hr

### Notes

Sample did not run on NAPS day. Reset to run on March 19th at 14:00 MST to March 20th at 14:00 MST.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.8	°C	
Pressure		707.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.039240	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000020	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000429	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.072109	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000026	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000742	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000023	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000049	µg/m <sup>3</sup>	V0
Iron	0.001585	0.037963	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000074	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.011982	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000599	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000044	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000280	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000042	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021079	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.017011	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000027	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.106246	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.022834	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000138	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000220	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001330	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000048	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000082	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PM2.5 Metal**      Samp Use: **Field Procedure Blank**      Set Index: **1**  
Location: **Janvier**      Loc ID: **JANV**      WBEA ID: **210300921**  
Start Date: **2021-03-22 12:05**      End Date: **2021-03-22 12:06**      Duration: **0.0 hr**

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000028	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000016	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000167	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.028208	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001219	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000016	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000238	µg/m <sup>3</sup>	V0
Iron	0.001585	0.010393	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000164	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000032	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000400	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000024	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.024904	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.005456	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.007315	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000032	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000140	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000687	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000042	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000020	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210300869
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.8	°C	
Pressure		719.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.009165	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000037	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000093	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000285	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.039951	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000023	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001596	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000023	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000116	µg/m <sup>3</sup>	V0
Iron	0.001585	0.031778	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000485	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000037	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.025562	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000674	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000037	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000621	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000038	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.030410	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.029330	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000029	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.014001	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000011	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.140070	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000275	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000226	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.002326	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000065	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000066	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210300876
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		741.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.025613	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000053	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000118	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000686	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000017	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.115131	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000048	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000665	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000036	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000306	µg/m <sup>3</sup>	V0
Iron	0.001585	0.043949	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000023	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000462	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000070	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.035030	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001048	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000068	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000340	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000041	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000052	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.030714	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.041431	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000065	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.087661	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000013	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.232062	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000396	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000185	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000018	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001918	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000087	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000090	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210300880
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C	
Pressure		731.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.009528	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000054	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000118	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000498	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.070045	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000027	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000926	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000025	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000149	µg/m <sup>3</sup>	V0
Iron	0.001585	0.027122	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000345	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000077	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.024843	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000722	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000058	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000411	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000042	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000077	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.021849	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.029918	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000036	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.037417	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000017	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.149757	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000259	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000211	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000017	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001453	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000107	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000101	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210300888
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		712.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.025020	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000035	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000096	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000398	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000015	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.062225	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000040	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001798	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000027	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000087	µg/m <sup>3</sup>	V0
Iron	0.001585	0.040081	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000021	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000371	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000032	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.023791	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000883	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000090	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000618	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000076	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.025512	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.025900	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000053	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.127301	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.083843	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000255	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000548	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000027	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001596	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000072	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000100	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210300925
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.7	°C	
Pressure		721.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.027295	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000037	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000103	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000388	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000027	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.045056	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000028	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001443	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000029	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000210	µg/m <sup>3</sup>	V0
Iron	0.001585	0.037157	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000015	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000453	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000023	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.026536	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000778	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000068	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000632	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000068	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.022502	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.032519	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000062	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.101774	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.133545	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000237	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000457	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000022	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001885	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000060	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000093	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000186	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300939
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		741.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.236230	µg/m <sup>3</sup>	V4
Antimony	0.000016	0.000059	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000164	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001941	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000029	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000020	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.335819	µg/m <sup>3</sup>	V4
Cerium	0.000013	0.000247	µg/m <sup>3</sup>	V4
Cesium	0.000004	0.000019	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001506	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000093	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000284	µg/m <sup>3</sup>	V0
Iron	0.001585	0.196849	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000115	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000582	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000265	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.081436	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003947	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000359	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000099	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000824	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000122	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.028471	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000015	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.090970	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000029	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000312	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000020	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000146	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.563667	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.211553	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000998	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000551	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000043	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000078	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.009386	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000085	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000012	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002185	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210301027
Start Date:	2021-03-26 10:45	End Date:	2021-03-26 10:46	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000058	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000088	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000029	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.015226	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000008	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000810	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000020	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000280	µg/m <sup>3</sup>	V0
Iron	0.001585	0.005527	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000043	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000235	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000260	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000063	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000330	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000177	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000209	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.025061	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000015	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.008111	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000050	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.002323	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.002260	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000080	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000023	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000325	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000516	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000026	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00
		Set Index:	1
		WBEA ID:	210300988
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.7	°C	
Pressure		733.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.044174	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000034	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000057	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000501	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000023	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.065584	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000049	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001273	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000030	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000074	µg/m <sup>3</sup>	V0
Iron	0.001585	0.049661	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000025	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000314	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000066	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.011716	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001026	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000139	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000024	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000481	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000077	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021692	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.032653	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000074	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.156600	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.055799	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000239	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000508	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.002330	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000059	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000798	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210300996
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.6	°C	
Pressure		723.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.036359	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000042	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000050	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000421	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000014	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.047149	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000045	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001208	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000028	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000078	µg/m <sup>3</sup>	V0
Iron	0.001585	0.050526	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000022	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000373	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000054	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.012196	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001064	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000065	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000538	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000117	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.026429	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.025278	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000059	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.150873	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.053910	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000211	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000810	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000025	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002128	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000061	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000378	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000964	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210301002
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.4	°C	
Pressure		712.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.034251	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000055	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000137	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000541	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000015	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.053066	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000049	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000010	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001144	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000051	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000220	µg/m <sup>3</sup>	V0
Iron	0.001585	0.050091	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000027	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000365	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000137	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.013130	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001008	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000165	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000026	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000497	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000073	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000107	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.027958	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.033053	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000057	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000009	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.104211	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000027	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.083517	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000252	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000403	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000035	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001925	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000118	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000634	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210301008
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

### Notes

Long sample duration and high sample volume a result of power outage at site.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		710.7	mmHg	
Sample Volume		24.7	m <sup>3</sup>	V6
Particulate Matter	0.042	2.267	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.029407	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000033	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000040	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000283	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.035448	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000030	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001319	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000022	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000166	µg/m <sup>3</sup>	V0
Iron	0.001585	0.029768	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000304	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000043	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.010062	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000658	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000085	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000429	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000117	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000053	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.025560	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.020920	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000049	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.122051	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.041262	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000152	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000719	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000024	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001977	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000078	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000381	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210301019
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.5	°C	
Pressure		702.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010556	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000024	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000042	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000112	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000014	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.046962	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001082	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000024	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.013675	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000174	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000023	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.003741	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000273	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000047	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000449	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000147	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.022899	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000029	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.013694	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000012	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.088977	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.032095	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000090	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000929	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001040	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000069	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000065	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003824	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210301031
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C	
Pressure		732.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.041324	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000030	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000016	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000511	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.061974	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000056	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.002677	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000037	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000180	µg/m <sup>3</sup>	V0
Iron	0.001585	0.073726	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000026	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000369	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000073	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.014467	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001389	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000126	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000022	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000534	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000044	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.034415	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.023192	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000061	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.143963	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.062835	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000257	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000264	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.002450	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000053	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000266	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.006846	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210401130
Start Date:	2021-04-01 14:30	End Date:	2021-04-01 14:31	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000012	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.013276	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001309	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000037	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000076	µg/m <sup>3</sup>	V0
Iron	0.001585	0.007181	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000058	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.000541	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000196	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000033	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000520	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000143	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.015889	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.000955	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.001554	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000021	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000567	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000013	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000330	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000042	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000025	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210301078
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.4	°C	
Pressure		731.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.077436	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000062	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000081	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000869	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.124060	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000101	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001051	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000063	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000251	µg/m <sup>3</sup>	V0
Iron	0.001585	0.079616	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000052	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000273	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000129	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.019552	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001727	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000164	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000042	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000649	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000129	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.015697	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.041897	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000134	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000009	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.172665	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.024725	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000407	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000454	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000014	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000049	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.004009	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000067	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000521	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Conklin	Loc ID:	CONK
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00
		Set Index:	1
		WBEA ID:	210301097
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.4	°C	
Pressure		703.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.022972	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000038	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000062	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000234	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.022081	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000026	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001256	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000042	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000193	µg/m <sup>3</sup>	V0
Iron	0.001585	0.026712	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000022	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000281	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000060	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005577	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000617	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000052	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000562	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000086	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.012970	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.018862	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000051	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000198	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.056353	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000011	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.006591	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000107	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000404	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000052	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001478	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000059	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000066	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210301103
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.0	°C	
Pressure		713.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.021787	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000065	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000041	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000641	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.027010	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000026	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000656	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000043	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000658	µg/m <sup>3</sup>	V0
Iron	0.001585	0.024784	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000162	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000057	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.006480	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000451	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000030	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000222	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000109	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.013884	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.010708	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000030	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000190	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.067486	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.010713	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000127	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000510	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000039	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001252	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000067	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000061	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401111
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.5	°C	
Pressure		711.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.024398	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000075	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000059	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000245	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.019807	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000031	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000573	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000032	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000132	µg/m <sup>3</sup>	V0
Iron	0.001585	0.018874	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000215	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000051	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.006775	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000482	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000035	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000206	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000070	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.014672	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.015157	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000047	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.056315	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.008268	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000119	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000352	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000022	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001492	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000044	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000069	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210401117
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.8	°C	
Pressure		732.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.041572	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000122	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000141	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001240	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.069018	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000060	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000687	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000050	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000465	µg/m <sup>3</sup>	V0
Iron	0.001585	0.057354	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000031	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000216	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000061	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.013792	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001204	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000066	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000022	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000257	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000042	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.013320	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.046182	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000084	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.108831	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000011	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.041151	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000257	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000127	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000078	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002662	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000061	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000135	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401126
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.2	°C	
Pressure		723.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.042868	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000111	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000142	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000982	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.066406	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000064	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001794	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000058	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000840	µg/m <sup>3</sup>	V0
Iron	0.001585	0.063282	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000033	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000244	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000079	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.013296	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001150	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000098	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000520	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000089	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.013267	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.030996	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000098	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.123787	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.038645	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000283	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000369	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000076	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002749	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000075	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000176	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 210401180
Start Date:	2021-04-08 11:15	End Date:	2021-04-08 11:16	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000017	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000011	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000055	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.016039	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000830	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000028	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000314	µg/m <sup>3</sup>	V0
Iron	0.001585	0.005943	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000034	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000031	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002126	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000107	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000032	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000287	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000104	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.014100	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.012858	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.003563	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000021	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000440	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000063	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000530	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000042	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000022	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401138
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.7	°C	
Pressure		732.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.045606	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000025	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000058	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000489	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.047744	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000058	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000538	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000046	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000355	µg/m <sup>3</sup>	V0
Iron	0.001585	0.050231	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000028	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000281	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000081	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.022527	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000933	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000063	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000156	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000073	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.015338	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.026422	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000066	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.120945	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.073584	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000271	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000345	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000042	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002435	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000044	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000140	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401157
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.3	°C	
Pressure		712.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.011583	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000036	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000047	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000206	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.022341	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000017	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000743	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000037	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000069	µg/m <sup>3</sup>	V0
Iron	0.001585	0.016421	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000127	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000055	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.008620	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000301	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000057	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000168	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000210	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000066	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.013585	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.013019	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000024	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.034716	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000029	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.026593	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000112	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000898	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000024	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000949	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000099	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000068	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401167
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.9	°C	
Pressure		702.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.027711	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000079	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000074	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000405	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000017	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.046999	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000038	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000649	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000046	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000806	µg/m <sup>3</sup>	V0
Iron	0.001585	0.040970	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000026	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000182	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000090	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.013802	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000739	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000063	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000195	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000579	µg/m <sup>3</sup>	V4
Palladium	0.000050	0.000074	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.016133	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.028710	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000065	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.068431	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000026	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.027599	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000161	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.008175	µg/m <sup>3</sup>	V4
Thallium	0.000005	0.000017	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000043	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001729	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000638	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000079	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401172
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.6	°C	
Pressure		723.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.068999	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000059	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000062	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000655	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000027	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.083325	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000074	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000870	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000048	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000371	µg/m <sup>3</sup>	V0
Iron	0.001585	0.038953	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000039	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000326	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000089	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.027070	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000852	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000081	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000032	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000286	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000109	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.015001	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.045091	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000113	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.193994	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.085715	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000337	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000431	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000039	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002914	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000045	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000254	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210401184
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.8	°C	
Pressure		733.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.031207	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000057	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000063	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000331	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000013	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.036091	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000034	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001045	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000046	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000168	µg/m <sup>3</sup>	V0
Iron	0.001585	0.023982	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000239	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000064	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.016870	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000602	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000049	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000429	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000142	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.015019	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.026539	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000061	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.093321	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.060895	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000195	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000570	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000026	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001579	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000070	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000081	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401189
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.5	°C	
Pressure		710.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.018857	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000063	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000054	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000256	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000011	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.058527	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000021	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.002703	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000042	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000348	µg/m <sup>3</sup>	V0
Iron	0.001585	0.034751	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000238	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000040	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.016978	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000605	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000089	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000290	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000086	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.014709	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.026525	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000035	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000011	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.053713	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000177	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000361	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000031	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001590	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000053	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000093	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 210401204
Start Date:	2021-04-12 12:05	End Date:	2021-04-12 12:06	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.007485	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000031	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000024	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000250	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.032468	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001517	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000046	µg/m <sup>3</sup>	V0
Copper	0.000027	0.011340	µg/m <sup>3</sup>	V0
Iron	0.001585	0.086701	µg/m <sup>3</sup>	V4
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000526	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000039	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001867	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000901	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000311	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000357	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000083	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.015146	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.012565	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.036587	µg/m <sup>3</sup>	V4
Strontium	0.000012	0.000059	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000344	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000085	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000757	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000058	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000101	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005531	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401198
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.7	°C	
Pressure		733.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.100196	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000155	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000098	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001463	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000013	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.164818	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000149	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000985	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000081	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000566	µg/m <sup>3</sup>	V0
Iron	0.001585	0.119443	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000074	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000328	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000138	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.030434	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002495	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000146	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000062	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000520	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000144	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000052	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.015941	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.057661	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000174	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000010	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.375602	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000015	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.031866	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000608	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000433	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000021	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000105	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005581	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000110	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000693	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401206
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.1	°C	
Pressure		721.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.043141	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000029	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000059	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000474	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.057245	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000057	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001680	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000050	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000184	µg/m <sup>3</sup>	V0
Iron	0.001585	0.063934	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000029	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000196	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000056	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.014072	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001035	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000100	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000026	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000461	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000035	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.013277	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.031359	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000070	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.033861	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.013865	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000249	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000101	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000031	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002553	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000035	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000253	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210401214
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.4	°C	
Pressure		742.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.141902	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000100	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000077	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001947	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.244610	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000159	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000014	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000878	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000095	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000625	µg/m <sup>3</sup>	V0
Iron	0.001585	0.146489	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000076	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000241	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000160	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.038992	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002705	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000144	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000071	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000441	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000061	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.015907	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.078062	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000017	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000275	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000012	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.426806	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000013	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.056409	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000740	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000169	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000023	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000068	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.007815	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000117	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000658	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401229
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.1	°C	
Pressure		742.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.202699	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000106	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000117	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002045	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.216436	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000243	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000019	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002811	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000116	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000967	µg/m <sup>3</sup>	V0
Iron	0.001585	0.212008	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000118	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000291	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000303	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.041017	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004053	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000235	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000101	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000973	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000203	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000081	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.017371	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.086548	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000026	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000320	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000020	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.406776	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000023	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.029196	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000892	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000624	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000034	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000072	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.010880	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000180	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000908	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002699	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401243
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.1	°C	
Pressure		714.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.053946	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000058	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000051	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000582	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.065879	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000080	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001297	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000052	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000213	µg/m <sup>3</sup>	V0
Iron	0.001585	0.056978	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000041	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000194	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000062	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.017331	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001185	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000060	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000031	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000534	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000059	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.014656	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.028737	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000080	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.177659	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.015108	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000352	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000223	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000020	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002644	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000077	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000159	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401250
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.9	°C	
Pressure		723.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.057759	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000068	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000060	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000771	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.064081	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000080	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001463	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000058	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000435	µg/m <sup>3</sup>	V0
Iron	0.001585	0.064470	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000042	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000174	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000066	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.019315	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001452	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000080	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000035	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000613	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000069	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.014989	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.032033	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000097	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.279145	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.015331	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000288	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000262	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000014	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000048	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003499	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000054	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000207	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 210401815
Start Date:	2021-04-21 12:20	End Date:	2021-04-21 12:21	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
 Mass Flag: 'b1', Field/-dynamic blank.  
 Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000028	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.016914	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001139	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000045	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000055	µg/m <sup>3</sup>	V0
Iron	0.001585	0.016531	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000047	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002843	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000196	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000050	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000455	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000056	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.016116	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.013055	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.001829	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000019	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000237	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000010	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000440	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000052	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000029	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401771
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.7	°C	
Pressure		716.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.034307	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000044	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000052	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000279	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.029986	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000036	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000754	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000043	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000076	µg/m <sup>3</sup>	V0
Iron	0.001585	0.022945	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000020	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000164	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000074	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.010497	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000439	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000039	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000314	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000062	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.017732	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.027770	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000048	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.136171	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.057707	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000165	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000265	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000027	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001748	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000057	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000146	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210401778
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.6	°C	
Pressure		739.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.075570	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000102	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000120	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000743	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000026	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.108982	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000087	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000019	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000798	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000064	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000368	µg/m <sup>3</sup>	V0
Iron	0.001585	0.057772	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000047	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000194	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000401	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.023893	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001255	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000164	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000037	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000397	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000232	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000203	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.019987	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.043910	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000131	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000011	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.220928	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000056	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.119362	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000381	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002258	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000106	µg/m <sup>3</sup>	V4
Thorium	0.000002	0.000028	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000042	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003599	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000541	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000009	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000635	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000652	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401784
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.5	°C	
Pressure		729.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.022225	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000051	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000060	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000278	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.035833	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000027	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.002382	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000047	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000285	µg/m <sup>3</sup>	V0
Iron	0.001585	0.032260	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000145	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000086	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.010085	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000530	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000102	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000408	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000061	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000074	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.015927	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.027216	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000038	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.066386	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000022	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.035791	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000143	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000238	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000014	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001368	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000072	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000164	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401797
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.7	°C	
Pressure		738.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.044401	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000082	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000077	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000391	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000022	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.051948	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000130	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000008	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000901	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000051	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000358	µg/m <sup>3</sup>	V0
Iron	0.001585	0.045782	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000054	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000177	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000172	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.016464	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001148	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000066	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000031	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000375	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000441	µg/m <sup>3</sup>	V4
Palladium	0.000050	0.000149	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.015594	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.025749	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000068	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.110272	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000047	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.048145	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000225	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.005120	µg/m <sup>3</sup>	V4
Thallium	0.000005	0.000022	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000019	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000035	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002547	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000671	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000142	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Conklin	Loc ID:	CONK
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00
		Set Index:	1
		WBEA ID:	210401819
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.8	°C	
Pressure		709.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.013939	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000050	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000058	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000256	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.038516	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000020	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000943	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000043	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000295	µg/m <sup>3</sup>	V0
Iron	0.001585	0.021461	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000126	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000098	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.008487	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000411	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000049	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000414	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000063	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000095	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.016295	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.035315	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000024	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.051308	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000025	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.027086	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000111	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000250	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000027	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001357	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000075	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000095	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401827
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.5	°C	
Pressure		718.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.024320	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000026	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000059	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000156	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.021506	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000039	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000967	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000047	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000175	µg/m <sup>3</sup>	V0
Iron	0.001585	0.019876	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000020	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000097	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000161	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.008505	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000387	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000048	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000021	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000314	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000094	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000102	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.019499	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.013810	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000025	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.089888	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000022	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.025675	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000111	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000398	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000035	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000014	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001104	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000097	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000090	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 210401882
Start Date:	2021-04-27 14:25	End Date:	2021-04-27 14:26	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.003192	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000011	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.014553	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000844	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000032	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000451	µg/m <sup>3</sup>	V0
Iron	0.001585	0.005077	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000035	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002146	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000771	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000032	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000518	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000068	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.013564	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.002975	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.000798	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000024	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000327	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000531	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000075	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000018	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401834
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.9	°C	
Pressure		716.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.081193	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000680	µg/m <sup>3</sup>	V4
Arsenic	0.000005	0.000055	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001003	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.096476	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000098	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000007	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000828	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000058	µg/m <sup>3</sup>	V0
Copper	0.000027	0.004945	µg/m <sup>3</sup>	V4
Iron	0.001585	0.068537	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000049	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000490	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000110	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.028481	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001283	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000050	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000042	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000291	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000080	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000082	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.014963	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.039801	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000118	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000008	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.287609	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.065030	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000384	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000270	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000053	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.004211	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000048	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000197	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000979	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210401839
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.5	°C	
Pressure		738.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.020704	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000060	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000052	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000495	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000020	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.035519	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000029	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000492	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000041	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000213	µg/m <sup>3</sup>	V0
Iron	0.001585	0.024309	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000156	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000043	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.012621	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000536	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000040	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000219	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000081	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.015324	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.015612	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000036	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.101184	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.047331	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000162	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000312	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000029	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001534	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000063	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000063	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401846
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.3	°C	
Pressure		728.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.019048	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000025	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000047	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000173	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.028116	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000024	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000677	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000038	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001040	µg/m <sup>3</sup>	V0
Iron	0.001585	0.020972	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000173	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000037	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.011053	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000387	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000031	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000238	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000062	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.016062	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.015368	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000028	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.082350	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.039525	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000133	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000264	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000015	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001181	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000054	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000058	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401862
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.1	°C	
Pressure		737.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.073376	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000075	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000044	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000698	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.071649	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000077	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000007	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001091	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000054	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000357	µg/m <sup>3</sup>	V0
Iron	0.001585	0.064417	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000039	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000191	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000120	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.021780	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001394	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000041	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000036	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000495	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000095	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.014344	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.033326	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000102	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.201415	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.069180	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000320	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000386	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000038	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003725	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000061	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000202	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401876
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.1	°C	
Pressure		709.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.013421	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000020	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000043	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000150	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.032415	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000030	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000609	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000031	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000183	µg/m <sup>3</sup>	V0
Iron	0.001585	0.020287	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000121	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000041	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.008146	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000375	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000032	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000200	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000090	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.011661	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.016339	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000030	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.068383	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000011	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.023569	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000103	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000346	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000009	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001046	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000049	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000050	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401888
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.9	°C	
Pressure		718.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.068434	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000026	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000045	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002355	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.086802	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000077	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000924	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000051	µg/m <sup>3</sup>	V0
Copper	0.000027	0.007984	µg/m <sup>3</sup>	V4
Iron	0.001585	0.057289	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000040	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000728	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000095	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.023188	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001151	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000086	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000032	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000303	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000089	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.012502	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.066453	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000103	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.281138	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.063008	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000848	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000331	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000014	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000056	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003893	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000161	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000198	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002250	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210401942
Start Date:	2021-04-30 12:40	End Date:	2021-04-30 12:41	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010804	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000011	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000176	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.014429	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000601	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000011	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.011647	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000033	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000047	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.000867	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000259	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000189	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000041	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.022464	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000013	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.109719	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.001049	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000032	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000252	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000887	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000053	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000042	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401909
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.5	°C	
Pressure		720.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.032670	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000036	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000038	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000498	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.052191	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000042	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000909	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000022	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000277	µg/m <sup>3</sup>	V0
Iron	0.001585	0.031906	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000231	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000072	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.009386	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000590	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000071	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000215	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000058	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021122	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.011605	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000035	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.199666	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.047898	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000210	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000335	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000022	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001955	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000050	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000107	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401917
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.8	°C	
Pressure		710.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.040979	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000061	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000053	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000758	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000019	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.078286	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000084	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001281	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000035	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000121	µg/m <sup>3</sup>	V0
Iron	0.001585	0.071072	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000038	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000326	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000078	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.017383	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001478	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000077	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000032	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000339	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000056	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.019766	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.022594	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000081	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.252261	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.020660	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000273	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000289	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000018	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000032	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002695	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000068	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000133	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210401927
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.2	°C	
Pressure		738.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.048342	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000135	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000105	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001252	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000011	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.076771	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000057	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000851	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000043	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000652	µg/m <sup>3</sup>	V0
Iron	0.001585	0.092895	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000026	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000387	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000083	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.012922	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001377	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000117	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000025	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000458	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000089	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.014201	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.029797	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000067	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.151510	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.025711	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000253	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000446	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000014	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000114	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002943	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000130	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000509	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Anzac	Loc ID:	ANZC
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00
		Set Index:	1
		WBEA ID:	210401933
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.2	°C	
Pressure		717.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.016208	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000062	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000050	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000291	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.044014	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000025	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001859	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000024	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000155	µg/m <sup>3</sup>	V0
Iron	0.001585	0.030111	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000166	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000069	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005876	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000589	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000067	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000502	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000272	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000093	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.022004	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.020730	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000030	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.103400	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000020	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.016848	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000141	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.006772	µg/m <sup>3</sup>	V4
Thallium	0.000005	0.000021	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000014	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000021	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001803	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000583	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000108	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401949
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.8	°C	
Pressure		738.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.299519	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000051	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000113	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002055	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000014	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000015	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.288429	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000303	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000022	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001796	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000102	µg/m <sup>3</sup>	V0
Copper	0.000027	0.013240	µg/m <sup>3</sup>	V4
Iron	0.001585	0.245929	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000141	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001190	µg/m <sup>3</sup>	V4
Lithium	0.000016	0.000405	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.044511	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.005587	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000357	µg/m <sup>3</sup>	V4
Neodymium	0.000005	0.000141	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000902	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000090	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.022023	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.066630	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000033	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000336	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000022	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.589533	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.045787	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000960	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000302	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000073	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000086	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.013634	µg/m <sup>3</sup>	V4
Tungsten	0.000005	0.000084	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000019	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002010	µg/m <sup>3</sup>	V4
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401962
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.7	°C	
Pressure		729.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.067401	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000104	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000091	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001089	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000013	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.078206	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000101	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001628	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000041	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000455	µg/m <sup>3</sup>	V0
Iron	0.001585	0.078148	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000045	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000440	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000101	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.018657	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001377	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000211	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000035	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000345	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000047	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.022295	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.035048	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000098	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.203320	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.031751	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000343	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000218	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000019	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000081	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003731	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000078	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000853	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210502015
Start Date:	2021-05-07 10:45	End Date:	2021-05-07 10:46	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000021	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000007	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000134	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.016378	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001005	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000019	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000117	µg/m <sup>3</sup>	V0
Iron	0.001585	0.016715	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000048	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000030	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000255	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000087	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000438	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000066	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.020153	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.001564	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.035564	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.005673	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000025	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000403	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000009	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000484	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000072	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000019	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210501980
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.7	°C	
Pressure		711.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.064451	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000052	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000066	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000850	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.072905	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000091	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000743	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000040	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000200	µg/m <sup>3</sup>	V0
Iron	0.001585	0.077628	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000056	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000291	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000113	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.020118	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001770	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000044	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000038	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000236	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000080	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.022428	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.025682	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000100	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.304000	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.022918	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000312	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000423	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000019	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000022	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000024	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003377	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000077	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000182	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210501988
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.4	°C	
Pressure		720.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.093098	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000058	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000336	µg/m <sup>3</sup>	V4
Barium	0.000054	0.001188	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000013	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.086438	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000101	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001857	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000045	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000949	µg/m <sup>3</sup>	V0
Iron	0.001585	0.088187	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000072	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000416	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000122	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.028263	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002043	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000124	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000046	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000433	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000070	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018512	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.037324	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000135	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000009	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.292739	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.021271	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000433	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000365	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000027	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000068	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.004499	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000080	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000009	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000253	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210501998
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.2	°C	
Pressure		737.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.088482	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000080	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000070	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000922	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000043	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.072454	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000089	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000008	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001136	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000045	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000235	µg/m <sup>3</sup>	V0
Iron	0.001585	0.097040	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000042	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000350	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000129	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.017296	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001693	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000055	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000042	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000462	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000065	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018616	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.029797	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000126	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000008	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.293330	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.013442	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000328	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000309	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000020	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000053	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.004419	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000062	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000226	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210502017
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.2	°C	
Pressure		730.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.068076	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000066	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000065	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001088	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000016	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.091927	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000085	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001574	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000037	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000267	µg/m <sup>3</sup>	V0
Iron	0.001585	0.105928	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000054	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000373	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000131	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.023912	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001938	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000074	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000035	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000394	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000080	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000053	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.021814	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000015	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.034599	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000106	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000145	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.254598	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.017556	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000412	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000375	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000020	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000020	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000048	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003320	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000059	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000191	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210502026
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.4	°C	
Pressure		717.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.060118	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000045	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000062	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000676	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.064517	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000067	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000007	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001217	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000031	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000115	µg/m <sup>3</sup>	V0
Iron	0.001585	0.057983	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000044	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000321	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000096	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.021148	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001488	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000087	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000027	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000364	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000059	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021028	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.028695	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000098	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.233707	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.012478	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000279	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000319	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000018	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000028	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002914	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000063	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000174	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00
		Set Index:	1
		WBEA ID:	210502033
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.4	°C	
Pressure		738.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.048056	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000118	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000067	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001395	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000014	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.070919	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000063	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000764	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000040	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000522	µg/m <sup>3</sup>	V0
Iron	0.001585	0.067363	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000038	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000346	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000063	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.017584	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001416	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000051	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000024	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000343	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000046	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021654	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.034008	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000078	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000176	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.160564	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.016471	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000284	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000234	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000081	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003022	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000087	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000136	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 210502086
Start Date:	2021-05-14 14:00	End Date:	2021-05-14 14:01	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000024	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000024	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000103	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000014	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000771	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000017	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.006209	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000031	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000051	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000090	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000041	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000257	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000064	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000054	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.018373	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.002546	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.021070	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.002030	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000311	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000819	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000097	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000011	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000024	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00
		Set Index:	1
		WBEA ID:	210502045
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.7	°C	
Pressure		731.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.049695	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000018	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000040	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000418	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000049	µg/m <sup>3</sup>	V4
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.049721	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000044	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001187	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000033	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000174	µg/m <sup>3</sup>	V0
Iron	0.001585	0.049984	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000020	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000106	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000070	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.006455	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001361	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000104	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000471	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000049	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.022920	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.014203	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000059	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.218646	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.009899	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000161	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000236	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000009	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002424	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000052	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000282	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210502062
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.8	°C	
Pressure		706.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.012209	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000022	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000032	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000376	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.031170	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000022	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000660	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000021	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000105	µg/m <sup>3</sup>	V0
Iron	0.001585	0.035119	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000216	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000032	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004267	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000568	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000374	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000036	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.016107	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.014190	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000029	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.124620	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.006018	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000092	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000221	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001399	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000061	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000058	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210502069
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.2	°C	
Pressure		713.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.004962	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000025	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000175	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.013297	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000659	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000017	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000063	µg/m <sup>3</sup>	V0
Iron	0.001585	0.012651	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000097	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000027	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000328	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000027	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000297	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000034	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.016974	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.001338	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.066992	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.002789	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000048	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000190	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000880	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000050	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000034	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210502078
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.6	°C	
Pressure		712.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.023027	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.004835	µg/m <sup>3</sup>	V4
Arsenic	0.000005	0.000020	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000243	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.029510	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000024	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.002917	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000022	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000049	µg/m <sup>3</sup>	V0
Iron	0.001585	0.042706	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000090	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000026	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005491	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000641	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000122	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000346	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000031	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.017049	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.016480	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000034	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.109702	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.004627	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000097	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000182	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000128	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001518	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000051	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000162	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00
		Set Index:	1
		WBEA ID:	210502083
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.5	°C	
Pressure		731.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.036906	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000106	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000067	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000726	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000022	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.050813	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000043	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000007	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001711	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000038	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000808	µg/m <sup>3</sup>	V0
Iron	0.001585	0.059802	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000020	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000231	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000119	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.011061	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001083	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000143	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000019	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000398	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000186	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000140	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.023634	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.028070	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000061	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.228509	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000023	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.012824	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000175	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002073	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000033	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000027	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000043	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002001	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000575	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000009	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000142	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210502096
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.3	°C	
Pressure		724.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.004768	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000051	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000030	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000429	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.029574	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000015	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000936	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000021	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000289	µg/m <sup>3</sup>	V0
Iron	0.001585	0.020709	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000084	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000025	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002181	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000566	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000042	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000334	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000034	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.015824	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.014535	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000021	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.083762	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.006317	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000066	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000201	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000016	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001172	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000057	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000040	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 210502150
Start Date:	2021-05-21 12:00	End Date:	2021-05-21 12:01	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000072	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000064	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000027	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000536	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000017	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000064	µg/m <sup>3</sup>	V0
Iron	0.001585	0.011903	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000030	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000198	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000233	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000076	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000271	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000156	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000267	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.016816	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.009795	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000009	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000041	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.001758	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000120	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000026	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000570	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000435	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000008	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000020	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210502108
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.2	°C	
Pressure		738.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.322816	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000043	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000095	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002734	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.117049	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000302	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000022	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001588	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000104	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000299	µg/m <sup>3</sup>	V0
Iron	0.001585	0.180381	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000143	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000437	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000348	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.031242	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003663	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000129	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000135	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000546	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000098	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018428	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.093261	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000036	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000368	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000023	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.179552	µg/m <sup>3</sup>	V4
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.109960	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000930	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000254	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000065	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000025	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.016120	µg/m <sup>3</sup>	V4
Tungsten	0.000005	0.000090	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000022	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000960	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210502127
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.0	°C	
Pressure		716.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.090233	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000027	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000058	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000893	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.089391	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000109	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001624	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000037	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000173	µg/m <sup>3</sup>	V0
Iron	0.001585	0.097752	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000051	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000230	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000078	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.023727	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002064	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000082	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000043	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000287	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000041	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.020305	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.036385	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000111	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000008	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.324132	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.023974	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000342	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000187	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000024	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.003783	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000082	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000204	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210502133
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.6	°C	
Pressure		723.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.040002	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000026	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000041	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000574	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.036643	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000055	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001828	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000034	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000117	µg/m <sup>3</sup>	V0
Iron	0.001585	0.051473	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000026	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000204	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000052	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.010250	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000975	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000071	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000024	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000265	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000040	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018181	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.022801	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000063	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.227120	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.008058	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000160	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000178	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000015	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002749	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000070	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000136	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210502139
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.0	°C	
Pressure		742.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.050984	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000098	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000109	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001144	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.067534	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000067	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000741	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000034	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000420	µg/m <sup>3</sup>	V0
Iron	0.001585	0.077562	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000030	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000295	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000051	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.015945	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001420	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000036	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000024	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000300	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000037	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.017574	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.028782	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000076	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.216017	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.013507	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000266	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000191	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000054	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003346	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000094	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000126	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210502145
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.6	°C	
Pressure		732.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.028869	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000053	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000064	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000713	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000018	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.044928	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000043	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001490	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000029	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000322	µg/m <sup>3</sup>	V0
Iron	0.001585	0.045672	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000020	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000293	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000040	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.008781	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000892	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000084	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000388	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000029	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.016328	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.039856	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000072	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.163118	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.013286	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000177	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000142	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000051	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003006	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000043	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000112	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210502154
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.5	°C	
Pressure		720.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.029232	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000032	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000047	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000375	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.040758	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000038	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001060	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000022	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000341	µg/m <sup>3</sup>	V0
Iron	0.001585	0.036612	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000210	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000035	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.008405	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000791	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000078	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000255	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000032	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.014539	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.020628	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000050	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.158648	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.008377	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000165	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000152	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000010	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002344	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000028	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000097	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 210502214
Start Date:	2021-05-26 11:18	End Date:	2021-05-26 11:19	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000018	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000026	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.014238	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000674	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000019	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.005674	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000021	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000083	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000119	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000038	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000255	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000030	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000089	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.015495	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.008045	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.007447	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000141	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000020	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000630	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000045	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210502197
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.4	°C	
Pressure		723.6	mmHg	
Sample Volume		22.4	m <sup>3</sup>	V6
Particulate Matter	0.042	5.089	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.028890	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000042	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000060	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000563	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.029154	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000023	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000618	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000019	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000117	µg/m <sup>3</sup>	V0
Iron	0.001585	0.029989	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000110	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000054	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002721	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000471	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000048	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000216	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000044	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018072	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.022471	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000039	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.209905	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.003686	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000103	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000231	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000013	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002171	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000066	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000086	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210502218
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.9	°C	
Pressure		698.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006291	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000016	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000044	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000127	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.018968	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000778	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000032	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000118	µg/m <sup>3</sup>	V0
Iron	0.001585	0.011296	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000097	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000077	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002405	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000294	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000041	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000461	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000025	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000070	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.014425	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.010677	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000012	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.001306	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000047	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000103	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000016	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000894	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000059	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000039	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210502224
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.5	°C	
Pressure		705.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.007327	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000025	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000048	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000109	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000015	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.019140	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000838	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000015	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000310	µg/m <sup>3</sup>	V0
Iron	0.001585	0.015113	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000083	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000131	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000271	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000079	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000286	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000060	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000143	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.020664	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.015213	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000013	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.086328	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000014	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.001721	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000039	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000282	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000036	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000022	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000940	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000112	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000069	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210502229
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.6	°C	
Pressure		703.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006270	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000025	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000087	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000399	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.020854	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001172	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000021	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000168	µg/m <sup>3</sup>	V0
Iron	0.001585	0.021460	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000108	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000040	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000482	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000045	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000265	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000028	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000050	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.018614	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.014780	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000015	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000210	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.087058	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.002599	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000057	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000136	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000010	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000919	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000065	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000098	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210502235
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.1	°C	
Pressure		725.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.004860	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000031	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000060	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000271	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.021322	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000824	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000022	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000146	µg/m <sup>3</sup>	V0
Iron	0.001585	0.015359	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000093	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000050	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.000326	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000328	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000054	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000374	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000030	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000051	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.018447	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.015052	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000020	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.053589	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.004362	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000061	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000147	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000926	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000084	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000073	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210502242
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.4	°C	
Pressure		716.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.004440	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000026	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000040	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000387	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.018020	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000634	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000018	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000241	µg/m <sup>3</sup>	V0
Iron	0.001585	0.011464	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000119	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000020	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000367	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000070	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000248	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000027	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.015086	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.014542	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000021	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000191	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.064483	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.013993	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000054	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000153	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000022	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000860	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000037	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000060	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 210602323
Start Date:	2021-06-02 14:00	End Date:	2021-06-02 14:01	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000006	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.015747	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000764	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000011	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000096	µg/m <sup>3</sup>	V0
Iron	0.001585	0.005093	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000055	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000042	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000209	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000046	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.010127	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.005693	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000302	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000638	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000037	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00
		Set Index:	1
		WBEA ID:	210602269
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.3	°C	
Pressure		727.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.085326	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000183	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000078	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003171	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000017	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.119132	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000145	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000008	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001301	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000070	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001141	µg/m <sup>3</sup>	V0
Iron	0.001585	0.145008	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000066	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000303	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000140	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.019853	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002692	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000114	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000059	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000348	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000094	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.016698	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.048724	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000148	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000011	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.375772	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.022981	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000504	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000416	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000031	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000120	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005287	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000160	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000008	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000244	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602274
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.9	°C	
Pressure		706.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.047095	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000033	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000074	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001041	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.154300	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000105	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000870	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000040	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000200	µg/m <sup>3</sup>	V0
Iron	0.001585	0.084586	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000052	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000266	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000095	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.006544	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001870	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000040	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000047	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000337	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000074	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.014702	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000020	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.183034	µg/m <sup>3</sup>	V4
Praseodymium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000105	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.288037	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.015731	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000446	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000384	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000026	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.003767	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000045	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000192	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602288
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.7	°C	
Pressure		723.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.161486	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000038	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000089	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001632	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000011	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.092296	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000180	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000014	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001507	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000074	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000436	µg/m <sup>3</sup>	V0
Iron	0.001585	0.125850	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000086	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000580	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000213	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005981	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002493	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000137	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000078	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000339	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000096	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.014819	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.059303	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000021	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000218	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000016	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.534627	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.045068	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000565	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000288	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000042	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.006655	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000075	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000011	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000276	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602305
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.7	°C	
Pressure		717.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.009260	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000065	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000391	µg/m <sup>3</sup>	V4
Barium	0.000054	0.001055	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.058708	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000070	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000635	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000034	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000260	µg/m <sup>3</sup>	V0
Iron	0.001585	0.065769	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000032	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000359	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000058	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.001277	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000049	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000029	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000454	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000060	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.009264	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.034161	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000068	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.216745	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.009683	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000253	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000302	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000035	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002971	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000056	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000105	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602313
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.4	°C	
Pressure		702.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000126	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000074	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000552	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.052774	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000048	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000680	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000026	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000274	µg/m <sup>3</sup>	V0
Iron	0.001585	0.048510	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000259	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000040	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.001093	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000026	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000020	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000282	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000044	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.010277	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000015	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.034641	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000053	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.167321	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.008993	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000202	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000235	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.002173	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000049	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000086	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602325
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.4	°C	
Pressure		708.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000020	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000045	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000329	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.034387	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000027	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000655	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000015	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000132	µg/m <sup>3</sup>	V0
Iron	0.001585	0.021742	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000170	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000026	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000433	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000029	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000182	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000041	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.006736	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.015432	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000033	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.130581	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.003172	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000127	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000216	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000020	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001499	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000036	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000065	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210602360
Start Date:	2021-06-07 14:55	End Date:	2021-06-07 14:56	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000012	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.015269	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000815	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000014	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000122	µg/m <sup>3</sup>	V0
Iron	0.001585	0.006316	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000021	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000070	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000033	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000280	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000066	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.012015	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.053058	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000300	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000411	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000051	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PM2.5 Metal  
Location: Athabasca Valley  
Start Date: 2021-06-09 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-06-10 00:00

Set Index: 1  
WBEA ID: 210602335  
Duration: 24.0 hr

### Notes

Field blank like results. Reason unknown.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.9	°C	
Pressure		740.3	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Aluminum	0.002800	-9999	µg/m <sup>3</sup>	M2
Antimony	0.000016	-9999	µg/m <sup>3</sup>	M2
Arsenic	0.000005	-9999	µg/m <sup>3</sup>	M2
Barium	0.000054	-9999	µg/m <sup>3</sup>	M2
Beryllium	0.000013	-9999	µg/m <sup>3</sup>	M2
Bismuth	0.000004	-9999	µg/m <sup>3</sup>	M2
Cadmium	0.000011	-9999	µg/m <sup>3</sup>	M2
Calcium	0.013042	-9999	µg/m <sup>3</sup>	M2
Cerium	0.000013	-9999	µg/m <sup>3</sup>	M2
Cesium	0.000004	-9999	µg/m <sup>3</sup>	M2
Chromium	0.000045	-9999	µg/m <sup>3</sup>	M2
Cobalt	0.000005	-9999	µg/m <sup>3</sup>	M2
Copper	0.000027	-9999	µg/m <sup>3</sup>	M2
Iron	0.001585	-9999	µg/m <sup>3</sup>	M2
Lanthanum	0.000004	-9999	µg/m <sup>3</sup>	M2
Lead	0.000018	-9999	µg/m <sup>3</sup>	M2
Lithium	0.000016	-9999	µg/m <sup>3</sup>	M2
Magnesium	0.000279	-9999	µg/m <sup>3</sup>	M2
Manganese	0.000028	-9999	µg/m <sup>3</sup>	M2
Molybdenum	0.000025	-9999	µg/m <sup>3</sup>	M2
Neodymium	0.000005	-9999	µg/m <sup>3</sup>	M2
Nickel	0.000015	-9999	µg/m <sup>3</sup>	M2
Niobium	0.000006	-9999	µg/m <sup>3</sup>	M2
Palladium	0.000050	-9999	µg/m <sup>3</sup>	M2
Phosphorus	0.003480	-9999	µg/m <sup>3</sup>	M2
Platinum	0.000004	-9999	µg/m <sup>3</sup>	M2
Potassium	0.000402	-9999	µg/m <sup>3</sup>	M2
Praseodymium	0.000002	-9999	µg/m <sup>3</sup>	M2
Rubidium	0.000003	-9999	µg/m <sup>3</sup>	M2
Samarium	0.000006	-9999	µg/m <sup>3</sup>	M2
Selenium	0.000133	-9999	µg/m <sup>3</sup>	M2
Silicon	0.010200	-9999	µg/m <sup>3</sup>	M2
Silver	0.000006	-9999	µg/m <sup>3</sup>	M2
Sodium	0.000777	-9999	µg/m <sup>3</sup>	M2
Strontium	0.000012	-9999	µg/m <sup>3</sup>	M2
Tantalum	0.000003	-9999	µg/m <sup>3</sup>	M2
Thallium	0.000005	-9999	µg/m <sup>3</sup>	M2
Thorium	0.000002	-9999	µg/m <sup>3</sup>	M2
Tin	0.000008	-9999	µg/m <sup>3</sup>	M2
Titanium	0.000031	-9999	µg/m <sup>3</sup>	M2
Tungsten	0.000005	-9999	µg/m <sup>3</sup>	M2
Uranium	0.000003	-9999	µg/m <sup>3</sup>	M2
Vanadium	0.000018	-9999	µg/m <sup>3</sup>	M2
Zinc	0.000149	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602341
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.0	°C	
Pressure		718.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000017	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000027	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000172	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.028173	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000979	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000014	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000473	µg/m <sup>3</sup>	V0
Iron	0.001585	0.015424	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000065	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000344	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000372	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000035	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.015000	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.012563	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.071851	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.000914	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000030	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000227	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000622	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000042	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602347
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.7	°C	
Pressure		730.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000076	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000032	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000556	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.033617	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000655	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000013	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000285	µg/m <sup>3</sup>	V0
Iron	0.001585	0.021954	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000063	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000421	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000055	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000133	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000042	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.012279	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000015	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.009512	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.115192	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.004976	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000063	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000244	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000011	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001181	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000039	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000033	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602372
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.7	°C	
Pressure		738.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000017	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000035	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000366	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.051665	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000033	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000496	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000024	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000100	µg/m <sup>3</sup>	V0
Iron	0.001585	0.036817	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000056	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000023	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000794	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000053	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000202	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000050	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.014093	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.007349	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000012	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.163891	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.004955	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000125	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000249	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001609	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000058	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000065	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602381
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.3	°C	
Pressure		720.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000105	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000161	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000138	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000016	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.029986	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000658	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000011	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000096	µg/m <sup>3</sup>	V0
Iron	0.001585	0.011052	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000138	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000210	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000052	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000255	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000345	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000071	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.008891	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.025134	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.079504	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000015	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.001693	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000029	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.007503	µg/m <sup>3</sup>	V4
Thallium	0.000005	0.000022	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001033	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000599	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000021	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602387
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.0	°C	
Pressure		712.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000030	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000042	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000178	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.030235	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000389	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000012	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.009219	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000067	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000223	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000029	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000100	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000112	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.014351	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.008776	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.068133	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.005484	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000031	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000475	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000864	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000078	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210602422
Start Date:	2021-06-11 14:30	End Date:	2021-06-11 14:31	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000014	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.028204	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000394	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000009	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.003685	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	-8888	µg/m <sup>3</sup>	V1
Molybdenum	0.000025	0.000042	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000133	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000025	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.010976	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000150	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000762	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000028	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602398
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.3	°C	
Pressure		705.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000036	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000083	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000721	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.050932	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000035	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000446	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000023	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000182	µg/m <sup>3</sup>	V0
Iron	0.001585	0.032229	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000028	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000241	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000019	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.001066	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000054	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000155	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000044	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018080	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.024644	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000033	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000401	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.143606	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.012842	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000204	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000242	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001575	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000061	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000070	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602405
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.0	°C	
Pressure		712.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000025	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000060	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000405	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.038062	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000019	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000290	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000015	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.018838	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000170	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000622	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000200	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000027	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.010407	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.024704	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000330	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.100923	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.003484	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000093	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000148	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001205	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000035	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000034	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210602410
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.6	°C	
Pressure		731.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000095	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000049	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001551	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.083547	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000059	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000722	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000030	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000564	µg/m <sup>3</sup>	V0
Iron	0.001585	0.061455	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000035	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000182	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000030	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.001622	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000054	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000318	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000038	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.022608	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.028869	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000047	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.233186	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.014043	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000232	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000188	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000018	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002440	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000081	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000109	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602418
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.8	°C	
Pressure		710.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000039	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000048	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000386	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.037175	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000017	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000659	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000018	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.023474	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000568	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000709	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000034	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000223	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000040	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.015806	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.011187	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000164	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.137118	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.010634	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000085	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000201	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001119	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000046	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000040	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602426
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.7	°C	
Pressure		721.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000075	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000082	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000899	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.046533	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000031	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001957	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000020	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000198	µg/m <sup>3</sup>	V0
Iron	0.001585	0.042391	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000021	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000246	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.001015	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000107	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000234	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000036	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.015746	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.015589	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000177	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.122859	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.006708	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000139	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000164	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000014	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002127	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000046	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000100	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602446
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

Raining during sample collection.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.1	°C	
Pressure		729.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.023793	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000077	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000130	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001006	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000028	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.104109	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000093	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000008	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000850	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000043	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000206	µg/m <sup>3</sup>	V0
Iron	0.001585	0.083286	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000053	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000223	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000149	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.002293	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000132	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000042	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000334	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000186	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000127	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.015227	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000023	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.036660	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000104	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000011	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000280	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.279694	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000038	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.010244	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000347	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002627	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000035	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000037	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.004353	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000568	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000356	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 210602534
Start Date:	2021-06-17 10:05	End Date:	2021-06-17 10:06	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000025	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000017	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000059	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.024414	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000458	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000009	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.003954	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000030	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000071	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000081	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000105	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000068	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.011343	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.009149	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.043005	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000013	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000376	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001148	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000101	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602460
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.3	°C	
Pressure		705.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000040	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000049	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000821	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.072186	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000086	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000958	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000040	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000383	µg/m <sup>3</sup>	V0
Iron	0.001585	0.073106	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000042	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000153	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000062	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.001627	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000041	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000037	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000285	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000036	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.014834	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.024689	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000061	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.259248	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.012878	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000250	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000148	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000019	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.002939	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000075	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000135	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602467
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.4	°C	
Pressure		712.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000030	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000042	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000323	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.022370	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000015	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000849	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000020	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000201	µg/m <sup>3</sup>	V0
Iron	0.001585	0.021786	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000124	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000024	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000505	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000072	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000335	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000030	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.011340	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.005077	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.105749	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.054495	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000073	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000149	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000881	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000057	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000068	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602502
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.5	°C	
Pressure		722.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000077	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000132	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000554	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.028518	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000727	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000022	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000195	µg/m <sup>3</sup>	V0
Iron	0.001585	0.019225	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000324	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000039	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000473	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000052	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000320	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000025	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.009903	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.018632	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.092093	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.004638	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000048	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000119	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001146	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000048	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000047	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602514
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

### Notes

Raining during sample deployment.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.0	°C	
Pressure		729.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.085411	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000091	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000172	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001383	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000044	µg/m <sup>3</sup>	V4
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.122824	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000146	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000022	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001095	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000068	µg/m <sup>3</sup>	V0
Copper	0.000027	0.003572	µg/m <sup>3</sup>	V0
Iron	0.001585	0.124053	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000075	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000307	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000326	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.002679	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000204	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000073	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000643	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000168	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000258	µg/m <sup>3</sup>	V4
Phosphorus	0.003480	0.013003	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.052293	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000023	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000169	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000021	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000148	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.451113	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000055	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.016997	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000539	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002257	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000119	µg/m <sup>3</sup>	V4
Thorium	0.000002	0.000059	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.005654	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000546	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000018	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000981	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602529
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.1	°C	
Pressure		710.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.004491	µg/m <sup>3</sup>	V4
Arsenic	0.000005	0.000048	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000367	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.051511	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000029	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000520	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000024	µg/m <sup>3</sup>	V0
Copper	0.000027	0.005214	µg/m <sup>3</sup>	V4
Iron	0.001585	0.043198	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000681	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000024	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000953	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000050	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000247	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000055	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.015479	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.027134	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000027	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.151554	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.005817	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000110	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000225	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000168	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001600	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000073	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000101	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210602538
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.6	°C	
Pressure		731.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000128	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000067	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001558	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000016	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.058697	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000045	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000528	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000033	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000448	µg/m <sup>3</sup>	V0
Iron	0.001585	0.052003	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000184	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000077	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000996	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000065	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000024	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000228	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000042	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000067	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.013792	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.012177	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000021	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.203571	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.009238	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000166	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000179	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000044	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002445	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000090	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000119	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 210602591
Start Date:	2021-06-24 12:10	End Date:	2021-06-24 12:11	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000012	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000549	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000009	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.003280	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	-8888	µg/m <sup>3</sup>	V1
Molybdenum	0.000025	0.000030	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000169	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000024	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.009689	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000152	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000343	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000029	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602555
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.9	°C	
Pressure		739.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.078747	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000039	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000107	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001230	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.121644	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000135	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000012	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001064	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000059	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000108	µg/m <sup>3</sup>	V0
Iron	0.001585	0.128655	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000064	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000122	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000240	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.002402	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000073	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000063	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000416	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000078	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000105	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.014700	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.049324	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000017	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000171	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000012	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.428953	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000021	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.012931	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000468	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000378	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000039	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000035	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.006098	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000136	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000009	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000335	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602568
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.3	°C	
Pressure		721.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000026	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000045	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000395	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.025631	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000017	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000538	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000015	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000146	µg/m <sup>3</sup>	V0
Iron	0.001585	0.020048	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000082	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000444	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000053	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000204	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000033	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.009804	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.001168	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.165597	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.000865	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000049	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000169	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001448	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000037	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000047	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602576
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.4	°C	
Pressure		714.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.080930	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000022	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000071	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001733	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.143886	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000199	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000525	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000065	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000462	µg/m <sup>3</sup>	V0
Iron	0.001585	0.170938	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000096	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000179	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000100	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.021136	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003771	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000044	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000088	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000307	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000042	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.010351	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.044759	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000023	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000167	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000015	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.420942	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.025403	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000572	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000150	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000043	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.006099	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000071	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000008	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000282	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00
		Set Index:	1
		WBEA ID:	210602581
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.9	°C	
Pressure		740.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000086	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000079	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001149	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.056565	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000064	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.002015	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000051	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000273	µg/m <sup>3</sup>	V0
Iron	0.001585	0.069937	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000029	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000138	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000038	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.001289	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000091	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000029	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000454	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000035	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.013370	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.026658	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000070	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.243926	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.007366	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000193	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000183	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000012	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003290	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000054	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000244	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602594
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.1	°C	
Pressure		719.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000052	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000059	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000406	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.037585	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000039	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000491	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000023	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.042462	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000075	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000024	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000900	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000043	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000234	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000039	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.011224	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.009838	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000028	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.195013	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.004344	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000109	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000191	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.002062	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000034	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000117	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602599
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.2	°C	
Pressure		731.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000106	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000057	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001112	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.045739	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000059	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000685	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000031	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000379	µg/m <sup>3</sup>	V0
Iron	0.001585	0.053310	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000028	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000110	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000031	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.001127	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000057	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000025	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000275	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000030	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.008861	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.028686	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000081	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.223695	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.007811	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000218	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000142	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000021	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003443	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000047	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000204	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602631
Start Date:	2021-06-30 14:15	End Date:	2021-06-30 14:16	Duration:	0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006458	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000016	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000695	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000009	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.004634	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000065	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002552	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000065	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000028	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000274	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000162	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.036832	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000037	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.022464	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.001003	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000435	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000093	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000031	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001475	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602615
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.4	°C	
Pressure		713.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.008968	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000064	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000034	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000115	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.018797	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000541	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000012	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000499	µg/m <sup>3</sup>	V0
Iron	0.001585	0.011587	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000135	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000077	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001406	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000248	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000027	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000168	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000162	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.031923	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000039	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.008239	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000026	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.033649	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.000779	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000040	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000869	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000012	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000675	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000072	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000052	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602635
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.8	°C	
Pressure		706.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.021994	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000021	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000022	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000183	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.028884	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000020	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000559	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000013	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.022926	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000072	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000104	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.006477	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000382	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000043	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000057	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000152	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.038249	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000034	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.014492	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000028	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.083489	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.002732	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000066	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000806	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000014	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000011	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001060	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000069	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000114	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000247	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602644
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.9	°C	
Pressure		729.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.008976	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000020	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000051	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000079	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000788	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000015	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.010306	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000115	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000128	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001413	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000193	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000053	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000211	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000268	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.033445	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000028	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.004192	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000012	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.096328	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000029	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001131	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000017	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000740	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000077	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000070	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702668
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

### Notes

Short sample duration and low sample volume due to power outage at site.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.2	°C	
Pressure		710.5	mmHg	
Sample Volume		23.2	m <sup>3</sup>	V6
Particulate Matter	0.042	3.319	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.004935	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000024	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000041	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000075	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000016	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.015842	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000762	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000012	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000057	µg/m <sup>3</sup>	V0
Iron	0.001585	0.007044	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000090	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000104	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.000893	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000151	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000028	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000307	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000218	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.029904	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000038	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.003055	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000011	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.059359	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000019	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001103	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000017	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000016	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000649	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000096	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000028	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210702677
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

### Notes

Short sample duration and low sample volume due to power failure.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.0	°C	
Pressure		730.4	mmHg	
Sample Volume		23.9	m <sup>3</sup>	V6
Particulate Matter	0.042	2.971	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.013830	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000037	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000029	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000239	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.017812	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000992	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000013	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000104	µg/m <sup>3</sup>	V0
Iron	0.001585	0.016604	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000047	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000064	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005066	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000283	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000052	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000062	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000133	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.024926	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000046	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.001735	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000017	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.065684	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.001770	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000045	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000772	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000021	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000656	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000068	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000096	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000541	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210702683
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.7	°C	
Pressure		722.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010421	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000017	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000031	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000094	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.017665	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000458	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000013	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.007156	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000039	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000050	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.003690	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000206	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000135	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000151	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.041737	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000040	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000011	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.056563	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.001885	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000030	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000905	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000554	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000066	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000043	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 210702713
Start Date:	2021-07-07 10:40	End Date:	2021-07-07 10:41	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006006	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000054	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000048	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000066	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000017	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.013629	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001852	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000016	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.014135	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000019	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000086	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002344	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000205	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000086	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000169	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000430	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000067	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.025983	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000046	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.059725	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000015	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.003873	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000040	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000041	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000022	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000404	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000624	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000129	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702701
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		27.0	°C	
Pressure		733.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	16.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.273727	µg/m <sup>3</sup>	V4
Antimony	0.000016	0.000027	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000085	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001786	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000014	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000011	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000046	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.537217	µg/m <sup>3</sup>	V4
Cerium	0.000013	0.000285	µg/m <sup>3</sup>	V4
Cesium	0.000004	0.000022	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000801	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000099	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000200	µg/m <sup>3</sup>	V0
Iron	0.001585	0.307790	µg/m <sup>3</sup>	V4
Lanthanum	0.000004	0.000137	µg/m <sup>3</sup>	V4
Lead	0.000018	0.000541	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000351	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.052851	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.005605	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000067	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000131	µg/m <sup>3</sup>	V4
Nickel	0.000015	0.000396	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000145	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.039063	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000045	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.136509	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000031	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000455	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000022	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.627852	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.029599	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001147	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000721	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000022	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000089	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000027	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.010136	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000078	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000022	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000855	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002825	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702717
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		25.0	°C	
Pressure		717.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	21.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.049577	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000034	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000047	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000810	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000050	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.041641	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000048	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000667	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000024	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000057	µg/m <sup>3</sup>	V0
Iron	0.001585	0.049162	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000173	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000072	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.012677	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001247	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000036	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000242	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000101	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.027100	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000034	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.084815	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000178	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.192893	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.011218	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000186	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000609	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000018	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000043	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002247	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000061	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000166	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003066	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702723
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		25.3	°C	
Pressure		709.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	27.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.338988	µg/m <sup>3</sup>	V4
Antimony	0.000016	0.000067	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000130	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003390	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000017	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000014	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000092	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.355085	µg/m <sup>3</sup>	V4
Cerium	0.000013	0.000495	µg/m <sup>3</sup>	V4
Cesium	0.000004	0.000023	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000630	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000119	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000262	µg/m <sup>3</sup>	V0
Iron	0.001585	0.355463	µg/m <sup>3</sup>	V4
Lanthanum	0.000004	0.000236	µg/m <sup>3</sup>	V4
Lead	0.000018	0.000503	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000311	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.125742	µg/m <sup>3</sup>	V4
Manganese	0.000028	0.008178	µg/m <sup>3</sup>	V4
Molybdenum	0.000025	0.000067	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000195	µg/m <sup>3</sup>	V4
Nickel	0.000015	0.000379	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000140	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.031509	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000028	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.226960	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000047	µg/m <sup>3</sup>	V4
Rubidium	0.000003	0.000647	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000034	µg/m <sup>3</sup>	V4
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.858498	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.090533	µg/m <sup>3</sup>	V4
Strontium	0.000012	0.001413	µg/m <sup>3</sup>	V4
Tantalum	0.000003	0.000544	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000026	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000141	µg/m <sup>3</sup>	V4
Tin	0.000008	0.000050	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.012351	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000139	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000029	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001119	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.006002	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702731
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.9	°C	
Pressure		714.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	25.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.092150	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000049	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000093	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000969	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000074	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.075043	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000094	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002516	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000044	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000345	µg/m <sup>3</sup>	V0
Iron	0.001585	0.137593	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000047	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000272	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000131	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.021531	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002373	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.001044	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000042	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000465	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000200	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.027972	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000031	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.095729	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000273	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.277900	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.014600	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000313	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001026	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000025	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000035	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000055	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.026702	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000178	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000008	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000473	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003530	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210702737
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		24.9	°C	
Pressure		734.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	21.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.127934	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000196	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000106	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002313	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000021	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000083	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.149668	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000124	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000012	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001132	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000053	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000857	µg/m <sup>3</sup>	V0
Iron	0.001585	0.120611	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000059	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000276	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000153	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.029355	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002257	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.001926	µg/m <sup>3</sup>	V4
Neodymium	0.000005	0.000053	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000327	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000132	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.026962	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000037	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.117091	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000308	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000010	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.341633	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.019483	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000486	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000630	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000036	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000036	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000158	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.050720	µg/m <sup>3</sup>	V4
Tungsten	0.000005	0.000119	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000535	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003240	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210702743
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		24.5	°C	
Pressure		726.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	20.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.129883	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000059	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000083	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001165	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000014	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000064	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.143862	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000128	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000013	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001056	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000053	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000502	µg/m <sup>3</sup>	V0
Iron	0.001585	0.110942	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000062	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000310	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000166	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.027574	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002115	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000519	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000053	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000374	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000147	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.038761	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000032	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.104662	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000299	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000010	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.264177	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.018110	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000494	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000688	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000027	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000041	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000059	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.017889	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000123	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000011	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000709	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004365	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210702776
Start Date:	2021-07-13 11:10	End Date:	2021-07-13 11:11	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.009705	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000121	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.036072	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000846	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000011	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.010009	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000029	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000023	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.006316	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000109	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000037	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000207	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000054	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018444	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000021	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.007780	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.097501	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.001322	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000028	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000317	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000808	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000037	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000045	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210702749
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.5	°C	
Pressure		720.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	22.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.121895	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000039	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000073	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001388	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000077	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.108053	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000111	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000014	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000678	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000079	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000184	µg/m <sup>3</sup>	V0
Iron	0.001585	0.092187	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000063	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000337	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000118	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.030665	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003813	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000060	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000054	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000589	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000114	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.040422	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000031	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.144855	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000332	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000009	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000169	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.268605	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.013365	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000518	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000548	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000037	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000031	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.006334	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000086	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000013	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000476	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002940	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210702755
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.3	°C	
Pressure		728.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	19.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.050476	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000102	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000068	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001472	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000014	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000051	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.054370	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000057	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001174	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000032	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001082	µg/m <sup>3</sup>	V0
Iron	0.001585	0.070522	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000034	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000250	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000060	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.014917	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002392	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000086	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000027	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000391	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000070	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.031561	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.084446	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000174	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.175253	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.009742	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000232	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000345	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000018	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000085	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002796	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000058	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000209	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002348	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702763
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.4	°C	
Pressure		708.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	19.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.077455	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000029	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000059	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001026	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000070	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.077456	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000077	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000008	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001209	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000034	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000161	µg/m <sup>3</sup>	V0
Iron	0.001585	0.083510	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000054	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000297	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000089	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.020656	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003118	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000064	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000038	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000294	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000097	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.041051	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000023	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.124206	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000252	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000175	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.216563	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.011454	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000309	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000528	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000025	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000027	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003126	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000058	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000311	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002587	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702768
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.2	°C	
Pressure		727.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	23.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.134274	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000025	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000077	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001204	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000069	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.095851	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000132	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000014	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001082	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000048	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000277	µg/m <sup>3</sup>	V0
Iron	0.001585	0.114143	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000074	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000281	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000144	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.025651	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003084	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000045	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000060	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000409	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000098	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.036251	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000033	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.126345	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000325	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000011	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.394604	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.015487	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000475	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000505	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000040	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000080	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005699	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000057	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000497	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003810	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702795
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.3	°C	
Pressure		711.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	20.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.062779	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000033	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000065	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000854	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000090	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.067370	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000182	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000008	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002134	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000029	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000393	µg/m <sup>3</sup>	V0
Iron	0.001585	0.064665	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000154	µg/m <sup>3</sup>	V4
Lead	0.000018	0.000269	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000054	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.021153	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002035	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000127	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000028	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000277	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000075	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.032660	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000027	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.138500	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000284	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.119033	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.009499	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000239	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000405	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000019	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000026	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003650	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000051	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000314	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003949	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702804
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.5	°C	
Pressure		704.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	23.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.067248	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000083	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000140	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001033	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000022	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000035	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000118	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.075063	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000086	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000018	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001099	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000036	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000182	µg/m <sup>3</sup>	V0
Iron	0.001585	0.076725	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000053	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000285	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000205	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.022812	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002455	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000102	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000044	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000391	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000278	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000123	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.027030	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000050	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.164653	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000317	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000015	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000174	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.273216	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000045	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.012398	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000328	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002098	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000068	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000067	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000041	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003717	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000670	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000023	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000264	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004079	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210702825
Start Date:	2021-07-16 13:55	End Date:	2021-07-16 13:56	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000041	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000039	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000446	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000022	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000017	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.033084	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000007	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000624	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000020	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.005623	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000049	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000195	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.000722	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000113	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000042	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000326	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000118	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000103	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.019325	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000041	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.002856	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.034345	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.001817	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000049	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000670	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000060	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000016	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001101	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000143	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000039	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210702811
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.7	°C	
Pressure		734.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	25.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.026632	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000129	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000222	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001004	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000025	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000099	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.042428	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000034	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001933	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000031	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000434	µg/m <sup>3</sup>	V0
Iron	0.001585	0.045664	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001026	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000114	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.007125	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001323	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000068	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000762	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000043	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.012746	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.107440	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000260	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.081201	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.009672	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000157	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000224	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000032	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000117	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002173	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000074	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000135	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005761	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702819
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.5	°C	
Pressure		713.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	26.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.019485	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.001130	µg/m <sup>3</sup>	V4
Arsenic	0.000005	0.000188	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000260	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000014	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000018	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000097	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.035441	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000020	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000007	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002215	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000017	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000094	µg/m <sup>3</sup>	V0
Iron	0.001585	0.037643	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000528	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000143	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.003195	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000668	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000164	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000308	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000063	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000059	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.015703	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.108460	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000248	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000176	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.089044	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.003603	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000082	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000358	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000039	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000040	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001412	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000087	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000236	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005118	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210702829
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.6	°C	
Pressure		726.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	26.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.037474	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000110	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000288	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001054	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000020	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000110	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.048614	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000041	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000007	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001249	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000031	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000475	µg/m <sup>3</sup>	V0
Iron	0.001585	0.054373	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000756	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000093	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.010139	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001650	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000102	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000350	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000070	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.025977	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.118424	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000295	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.149111	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.007428	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000199	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000388	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000025	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000096	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002123	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000079	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000204	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003347	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702840
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.6	°C	
Pressure		733.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	33.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.055765	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000099	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000170	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001138	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000030	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000071	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.242447	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000065	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001158	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000033	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000906	µg/m <sup>3</sup>	V0
Iron	0.001585	0.069757	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000040	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000722	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000140	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.013843	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003055	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000138	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000029	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000591	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000059	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.022490	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.116424	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000299	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000156	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.182676	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.008658	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000403	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000305	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000028	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000065	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003543	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000079	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000393	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.006279	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702859
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.0	°C	
Pressure		716.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	22.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010246	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000028	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000199	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000166	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000097	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.015098	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001518	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000016	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000062	µg/m <sup>3</sup>	V0
Iron	0.001585	0.020468	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000487	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000030	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002279	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000512	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000068	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000363	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000071	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.036225	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000030	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.090953	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000217	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.060395	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.003280	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000045	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000534	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000020	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000858	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000059	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000100	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003383	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702867
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.5	°C	
Pressure		709.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	24.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.013342	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.001359	µg/m <sup>3</sup>	V4
Arsenic	0.000005	0.000224	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000209	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000105	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.023744	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000015	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000765	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000015	µg/m <sup>3</sup>	V0
Copper	0.000027	0.003326	µg/m <sup>3</sup>	V0
Iron	0.001585	0.031467	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Lead	0.000018	0.003108	µg/m <sup>3</sup>	V4
Lithium	0.000016	0.000031	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004954	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000703	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000035	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000302	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000084	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.046362	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000046	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.099993	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000240	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.065608	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.003625	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000074	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000517	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000046	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001126	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000066	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000073	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003688	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 210702896
Start Date:	2021-07-22 11:54	End Date:	2021-07-22 11:55	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.013006	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000014	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000064	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.022369	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001457	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000012	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.011638	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000040	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.000319	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000148	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.001388	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000208	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000086	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.029047	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000036	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.052642	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.001055	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000094	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000509	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000024	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.034011	µg/m <sup>3</sup>	V4
Tungsten	0.000005	0.000076	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000072	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702874
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.8	°C	
Pressure		713.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.012151	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000023	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000044	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000211	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.024429	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000015	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000782	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000015	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.016357	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000060	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000063	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002621	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000309	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000053	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000149	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000116	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.030959	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000033	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.008235	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000024	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.059847	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.001190	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000049	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000651	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000015	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001285	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000092	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000097	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702878
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.0	°C	
Pressure		709.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.021439	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000025	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000039	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000260	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.026266	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000023	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000593	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000023	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000227	µg/m <sup>3</sup>	V0
Iron	0.001585	0.020926	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000109	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000035	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.006024	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000515	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000027	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000211	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000087	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.034968	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000035	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.022124	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000043	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.129872	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.003562	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000087	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000557	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001169	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000082	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000082	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210702886
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, partisol had filter temp status code. Short sampling duration due to power failure.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.0	°C	
Pressure		733.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.063995	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000148	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000051	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001206	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.053917	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000054	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.003984	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000035	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000406	µg/m <sup>3</sup>	V0
Iron	0.001585	0.072307	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000025	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000100	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000099	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.008773	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000998	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.001296	µg/m <sup>3</sup>	V4
Neodymium	0.000005	0.000025	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000446	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000095	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.024415	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000028	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.035299	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000081	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.255962	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.007276	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000219	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000502	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000106	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.027746	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000081	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000569	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210702898
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.1	°C	
Pressure		725.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.033833	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000045	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000054	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000322	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.037764	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000033	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000744	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000019	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000903	µg/m <sup>3</sup>	V0
Iron	0.001585	0.029690	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000101	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000123	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004627	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000697	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000069	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000274	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000125	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000055	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.036379	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000031	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.018865	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000047	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.104001	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.004116	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000125	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000663	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000017	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001851	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000137	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000268	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702904
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, partisol had a powerfail status code. Resulted in a short sampling duration.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.4	°C	
Pressure		716.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.024881	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000030	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000033	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000281	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.026090	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000027	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.008130	µg/m <sup>3</sup>	V4
Cobalt	0.000005	0.000032	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000111	µg/m <sup>3</sup>	V0
Iron	0.001585	0.089332	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000089	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000038	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004075	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001088	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000288	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000566	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000090	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.034035	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000036	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.012502	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000044	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.089952	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.002995	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000091	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000630	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000009	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001283	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000077	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000448	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702921
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.2	°C	
Pressure		732.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.028628	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000074	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000120	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000952	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000038	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000054	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.104639	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000040	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000016	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001519	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000037	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000544	µg/m <sup>3</sup>	V0
Iron	0.001585	0.035152	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000025	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000151	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000360	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.006298	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000920	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000122	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000025	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000626	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000230	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000203	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.025208	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000067	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.019648	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000061	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000013	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.151324	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000044	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.005842	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000212	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002224	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000205	µg/m <sup>3</sup>	V4
Thorium	0.000002	0.000064	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000035	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001491	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000738	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000025	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000201	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 210703006
Start Date:	2021-07-29 11:40	End Date:	2021-07-29 11:41	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010525	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000233	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.016628	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000368	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000023	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.003425	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000135	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001075	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000071	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000155	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000071	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.022172	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000023	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.001361	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.110378	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000392	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000017	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000030	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000382	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000053	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702969
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.5	°C	
Pressure		720.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	15.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.034855	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000050	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000104	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000481	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000024	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.030555	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000031	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000980	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000041	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000138	µg/m <sup>3</sup>	V0
Iron	0.001585	0.032162	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000114	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000195	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.007100	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000734	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.002171	µg/m <sup>3</sup>	V4
Neodymium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000266	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000087	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.019396	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000025	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.053010	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000087	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.524141	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.002454	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000080	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000455	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000062	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.050909	µg/m <sup>3</sup>	V4
Tungsten	0.000005	0.000056	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702984
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		24.3	°C	
Pressure		737.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	17.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.136301	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000052	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000054	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001317	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000023	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.405927	µg/m <sup>3</sup>	V4
Cerium	0.000013	0.000126	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000010	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000982	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000090	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000615	µg/m <sup>3</sup>	V0
Iron	0.001585	0.159810	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000059	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000191	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000345	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.032741	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003417	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000895	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000059	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000479	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000146	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.042127	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.086738	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000256	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000012	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.924841	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.013582	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000731	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000631	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000038	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000031	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000076	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.023564	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000067	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000533	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702994
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.6	°C	
Pressure		713.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	16.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.092869	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000036	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000092	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001058	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000030	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.160750	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000126	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000824	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000071	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000216	µg/m <sup>3</sup>	V0
Iron	0.001585	0.122168	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000065	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000185	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000255	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.039979	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002723	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000605	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000060	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000300	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000110	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.031586	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000023	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.092654	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000208	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000012	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.839500	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.017954	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000462	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000523	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000032	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000028	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000073	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.017890	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000073	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000213	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210703000
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.4	°C	
Pressure		738.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	15.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.068522	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000324	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000098	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002232	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000014	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000030	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.085852	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000079	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001424	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000081	µg/m <sup>3</sup>	V0
Copper	0.000027	0.002727	µg/m <sup>3</sup>	V0
Iron	0.001585	0.076632	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000037	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000261	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000185	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.020077	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001731	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000141	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000029	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000561	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000071	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.035233	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.090191	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000189	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.148128	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.009428	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000266	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000352	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000014	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000334	µg/m <sup>3</sup>	V4
Titanium	0.000031	0.003527	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000077	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000164	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210703012
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.7	°C	
Pressure		718.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.038467	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000133	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000039	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001285	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000025	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.065369	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000040	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000999	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000049	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001606	µg/m <sup>3</sup>	V0
Iron	0.001585	0.113832	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000641	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000156	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.011452	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001606	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000053	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000017	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000418	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000066	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.028000	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.073000	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000131	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.163405	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.011531	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000137	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000360	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000017	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000061	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001706	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000069	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000030	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210703020
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.8	°C	
Pressure		730.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	14.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.054059	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000065	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000028	µg/m <sup>3</sup>	V0
Barium	0.000054	0.007548	µg/m <sup>3</sup>	V4
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000104	µg/m <sup>3</sup>	V4
Cadmium	0.000011	0.000020	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.071291	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000080	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000990	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000047	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001184	µg/m <sup>3</sup>	V0
Iron	0.001585	0.038357	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000033	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000130	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000209	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.014306	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000936	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000053	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000019	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000407	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000072	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.025992	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000021	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.094943	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000147	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.408830	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.022549	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000951	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000301	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000021	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000072	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005199	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000036	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000062	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 210803064
Start Date:	2021-08-04 13:35	End Date:	2021-08-05 13:36	Duration: 24.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.007162	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000293	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.028137	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000833	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000018	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000137	µg/m <sup>3</sup>	V0
Iron	0.001585	0.009041	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000034	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000113	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002394	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000099	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000036	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000283	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000063	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.025294	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000036	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.005033	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.086156	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.001295	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000339	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000176	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000458	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000041	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803038
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.2	°C	
Pressure		729.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.058156	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000017	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000890	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.081747	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000043	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000903	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000044	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000416	µg/m <sup>3</sup>	V0
Iron	0.001585	0.041635	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000036	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000185	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.012167	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000828	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000037	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000020	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000433	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000059	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.037288	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000022	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.022896	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000067	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.133636	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.012476	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000177	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000285	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000038	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002268	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000034	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210803056
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.2	°C	
Pressure		712.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.011173	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000072	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001176	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000019	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.031885	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.003365	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000033	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000157	µg/m <sup>3</sup>	V0
Iron	0.001585	0.031800	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000047	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000134	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.003624	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000315	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000173	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000374	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000278	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000059	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.024246	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.012361	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000019	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.003260	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000039	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002762	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000027	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000023	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000060	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000816	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000503	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000079	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803068
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.9	°C	
Pressure		705.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.011043	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000625	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.029352	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000855	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000020	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001775	µg/m <sup>3</sup>	V0
Iron	0.001585	0.011953	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000021	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000113	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004359	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000218	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000073	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.001601	µg/m <sup>3</sup>	V4
Niobium	0.000006	0.000061	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.024125	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000025	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.016262	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000020	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.064194	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.004476	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000030	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000278	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000030	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000757	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000074	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210803077
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.4	°C	
Pressure		709.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.012565	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000054	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000709	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.029916	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000711	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000024	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000547	µg/m <sup>3</sup>	V0
Iron	0.001585	0.018023	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000058	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000086	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.003833	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000333	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000039	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000245	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000064	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.030273	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000027	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.013799	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000020	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.006289	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000044	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000366	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000042	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001097	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000077	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210803084
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration:	24.0 hr

### Notes

Unknown reason for low sample mass.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.7	°C	
Pressure		729.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Aluminum	0.002800	-9999	µg/m <sup>3</sup>	M2
Antimony	0.000016	-9999	µg/m <sup>3</sup>	M2
Arsenic	0.000005	-9999	µg/m <sup>3</sup>	M2
Barium	0.000054	-9999	µg/m <sup>3</sup>	M2
Beryllium	0.000013	-9999	µg/m <sup>3</sup>	M2
Bismuth	0.000004	-9999	µg/m <sup>3</sup>	M2
Cadmium	0.000011	-9999	µg/m <sup>3</sup>	M2
Calcium	0.013042	-9999	µg/m <sup>3</sup>	M2
Cerium	0.000013	-9999	µg/m <sup>3</sup>	M2
Cesium	0.000004	-9999	µg/m <sup>3</sup>	M2
Chromium	0.000045	-9999	µg/m <sup>3</sup>	M2
Cobalt	0.000005	-9999	µg/m <sup>3</sup>	M2
Copper	0.000027	-9999	µg/m <sup>3</sup>	M2
Iron	0.001585	-9999	µg/m <sup>3</sup>	M2
Lanthanum	0.000004	-9999	µg/m <sup>3</sup>	M2
Lead	0.000018	-9999	µg/m <sup>3</sup>	M2
Lithium	0.000016	-9999	µg/m <sup>3</sup>	M2
Magnesium	0.000279	-9999	µg/m <sup>3</sup>	M2
Manganese	0.000028	-9999	µg/m <sup>3</sup>	M2
Molybdenum	0.000025	-9999	µg/m <sup>3</sup>	M2
Neodymium	0.000005	-9999	µg/m <sup>3</sup>	M2
Nickel	0.000015	-9999	µg/m <sup>3</sup>	M2
Niobium	0.000006	-9999	µg/m <sup>3</sup>	M2
Palladium	0.000050	-9999	µg/m <sup>3</sup>	M2
Phosphorus	0.003480	-9999	µg/m <sup>3</sup>	M2
Platinum	0.000004	-9999	µg/m <sup>3</sup>	M2
Potassium	0.000402	-9999	µg/m <sup>3</sup>	M2
Praseodymium	0.000002	-9999	µg/m <sup>3</sup>	M2
Rubidium	0.000003	-9999	µg/m <sup>3</sup>	M2
Samarium	0.000006	-9999	µg/m <sup>3</sup>	M2
Selenium	0.000133	-9999	µg/m <sup>3</sup>	M2
Silicon	0.010200	-9999	µg/m <sup>3</sup>	M2
Silver	0.000006	-9999	µg/m <sup>3</sup>	M2
Sodium	0.000777	-9999	µg/m <sup>3</sup>	M2
Strontium	0.000012	-9999	µg/m <sup>3</sup>	M2
Tantalum	0.000003	-9999	µg/m <sup>3</sup>	M2
Thallium	0.000005	-9999	µg/m <sup>3</sup>	M2
Thorium	0.000002	-9999	µg/m <sup>3</sup>	M2
Tin	0.000008	-9999	µg/m <sup>3</sup>	M2
Titanium	0.000031	-9999	µg/m <sup>3</sup>	M2
Tungsten	0.000005	-9999	µg/m <sup>3</sup>	M2
Uranium	0.000003	-9999	µg/m <sup>3</sup>	M2
Vanadium	0.000018	-9999	µg/m <sup>3</sup>	M2
Zinc	0.000149	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210803090
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.5	°C	
Pressure		721.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.027953	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000067	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001048	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.037021	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000023	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001346	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000034	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000277	µg/m <sup>3</sup>	V0
Iron	0.001585	0.028502	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000059	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000120	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.007013	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000455	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000079	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000295	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000091	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.025088	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000034	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.018502	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000045	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.044045	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.011557	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000093	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000543	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000074	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001369	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000089	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 210803130
Start Date:	2021-08-10 13:26	End Date:	2021-08-10 13:27	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.005261	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000104	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000094	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.021615	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001002	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000018	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000335	µg/m <sup>3</sup>	V0
Iron	0.001585	0.007022	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000047	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000061	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.000792	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000132	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000028	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000326	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000039	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.022718	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000026	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000263	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.003183	µg/m <sup>3</sup>	V4
Titanium	0.000031	0.000431	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000036	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803108
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.1	°C	
Pressure		726.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.158079	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000053	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000008	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001846	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000018	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000123	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.094379	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000106	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000011	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000895	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000107	µg/m <sup>3</sup>	V0
Copper	0.000027	0.002209	µg/m <sup>3</sup>	V0
Iron	0.001585	0.112288	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000048	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000193	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000230	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.029551	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002256	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000079	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000055	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000534	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000070	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.029398	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000030	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.108363	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000014	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000246	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000012	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.272823	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.020721	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000465	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000327	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000020	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000025	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000054	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005947	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000124	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000291	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803119
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.0	°C	
Pressure		705.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	17.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.063623	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000065	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.004044	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000018	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000271	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.130802	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000045	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001515	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000054	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000365	µg/m <sup>3</sup>	V0
Iron	0.001585	0.058476	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000022	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000218	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000103	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.025802	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.005224	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000064	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000022	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000513	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000042	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.027495	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000025	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.140737	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000230	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.079035	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.017580	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000374	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000232	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000045	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003301	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000054	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.001055	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210803136
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.9	°C	
Pressure		711.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	15.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.031580	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000028	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000968	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000198	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.056285	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000026	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001049	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000032	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000084	µg/m <sup>3</sup>	V0
Iron	0.001585	0.028527	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000135	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000087	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.009902	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001035	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000038	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000330	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000052	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.025052	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000027	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.111744	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000143	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.091202	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.006359	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000121	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000292	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000064	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001519	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000064	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210803154
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.3	°C	
Pressure		708.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.041375	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000046	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000015	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000592	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000019	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000206	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.043926	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000038	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001169	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000050	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000224	µg/m <sup>3</sup>	V0
Iron	0.001585	0.042292	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000130	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000180	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.013288	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001186	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000077	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000020	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000281	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000217	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000107	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.025357	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000026	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.089331	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000129	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.130722	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000027	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.006302	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000116	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001726	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000049	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000027	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000051	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001575	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000640	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210803160
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, partisol had filter temp status code.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.2	°C	
Pressure		727.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.041926	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000117	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001456	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000192	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.054952	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000035	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001861	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000046	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000554	µg/m <sup>3</sup>	V0
Iron	0.001585	0.054625	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000015	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000196	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000085	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.012908	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001538	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000097	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000504	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000042	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.032027	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000026	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.098612	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000128	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.118285	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.009048	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000154	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000271	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000100	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001878	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000053	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210803166
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.3	°C	
Pressure		720.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	14.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.069706	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000030	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000992	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000213	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.068290	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000054	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000704	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000042	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000323	µg/m <sup>3</sup>	V0
Iron	0.001585	0.046720	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000151	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000098	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.014917	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001331	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000038	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000021	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000332	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000045	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.038608	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000027	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.113493	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000165	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.098447	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.012344	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000237	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000262	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000049	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002402	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000046	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210803187
Start Date:	2021-08-16 12:40	End Date:	2021-08-16 12:41	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.004366	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000133	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000543	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000024	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000072	µg/m <sup>3</sup>	V0
Iron	0.001585	0.014084	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000027	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000095	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001002	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000147	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000025	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000239	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000066	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.032899	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000033	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000387	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000020	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003954	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000061	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803179
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.8	°C	
Pressure		735.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.025552	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000017	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000202	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.038257	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000017	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000836	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000033	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000482	µg/m <sup>3</sup>	V0
Iron	0.001585	0.020301	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000038	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000147	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004106	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000327	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000055	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000193	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000093	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000057	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.033402	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000030	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.005747	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000021	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.106636	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.002135	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000060	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000418	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000057	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000912	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000091	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803200
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.1	°C	
Pressure		709.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.007389	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000024	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000129	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.018135	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000678	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000022	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000122	µg/m <sup>3</sup>	V0
Iron	0.001585	0.009122	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000030	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000227	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001731	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000222	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000044	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000239	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000056	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000090	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.011476	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000023	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.003497	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000013	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.023359	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000265	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000042	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000037	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000533	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000117	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: <b>PM2.5 Metal</b>	Samp Use: <b>Exposure</b>	Set Index: <b>1</b>
Location: <b>Janvier</b>	Loc ID: <b>JANV</b>	WBEA ID: <b>210803209</b>
Start Date: <b>2021-08-20 00:00</b>	End Date: <b>2021-08-21 00:00</b>	Duration: <b>24.0 hr</b>

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.4	°C	
Pressure		717.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.016130	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000034	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000247	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.023548	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000018	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000716	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000026	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001067	µg/m <sup>3</sup>	V0
Iron	0.001585	0.020005	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000081	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000159	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004190	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000397	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000043	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000231	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000032	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000052	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.016649	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000021	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.012364	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000031	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.034365	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000037	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000162	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000046	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000848	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000064	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210803239
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.6	°C	
Pressure		715.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.012295	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000157	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.017722	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.003901	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000026	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000446	µg/m <sup>3</sup>	V0
Iron	0.001585	0.037310	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000040	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000183	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.003000	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000437	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000156	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000334	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000027	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000087	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.011990	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000021	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.002963	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000012	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000013	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000097	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000039	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000734	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000048	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000081	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210803245
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, partisol had a filter temp status code.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.4	°C	
Pressure		736.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.025995	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000045	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000426	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.031689	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000019	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000565	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000023	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000176	µg/m <sup>3</sup>	V0
Iron	0.001585	0.020932	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000031	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000231	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004978	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000638	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000054	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000208	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000039	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000106	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.016551	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000025	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.012745	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000042	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.059073	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.001468	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000062	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000171	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000021	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000052	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001190	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000067	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210803251
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.9	°C	
Pressure		727.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.023530	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000050	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000254	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000048	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.037909	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000016	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000611	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000026	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000487	µg/m <sup>3</sup>	V0
Iron	0.001585	0.019085	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000090	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000131	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004942	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000497	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000043	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000245	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000028	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.017971	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000021	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.018356	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000041	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.002641	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000106	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000129	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000063	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001328	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000054	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210803256
Start Date:	2021-08-23 12:35	End Date:	2021-08-23 12:36	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.008318	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000249	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.021212	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000854	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000023	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.006854	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000050	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001674	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000096	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000031	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000170	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000032	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018181	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000028	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000214	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000029	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000409	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000046	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210803262
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.4	°C	
Pressure		724.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.025790	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000087	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000872	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.045156	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000030	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000514	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000028	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000847	µg/m <sup>3</sup>	V0
Iron	0.001585	0.030755	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000021	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000178	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000075	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.009790	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000675	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000049	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000153	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000039	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.024608	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000031	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.026032	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000044	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.027019	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.006235	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000085	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000247	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000091	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001405	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000066	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PM2.5 Metal  
Location: Athabasca Valley  
Start Date: 2021-08-26 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-08-27 00:00

Set Index: 1  
WBEA ID: 210803269  
Duration: 24.0 hr

### Notes

Unknown reason for low sample mass.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.8	°C	
Pressure		733.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Aluminum	0.002800	-9999	µg/m <sup>3</sup>	M2
Antimony	0.000016	-9999	µg/m <sup>3</sup>	M2
Arsenic	0.000005	-9999	µg/m <sup>3</sup>	M2
Barium	0.000054	-9999	µg/m <sup>3</sup>	M2
Beryllium	0.000013	-9999	µg/m <sup>3</sup>	M2
Bismuth	0.000004	-9999	µg/m <sup>3</sup>	M2
Cadmium	0.000011	-9999	µg/m <sup>3</sup>	M2
Calcium	0.013042	-9999	µg/m <sup>3</sup>	M2
Cerium	0.000013	-9999	µg/m <sup>3</sup>	M2
Cesium	0.000004	-9999	µg/m <sup>3</sup>	M2
Chromium	0.000045	-9999	µg/m <sup>3</sup>	M2
Cobalt	0.000005	-9999	µg/m <sup>3</sup>	M2
Copper	0.000027	-9999	µg/m <sup>3</sup>	M2
Iron	0.001585	-9999	µg/m <sup>3</sup>	M2
Lanthanum	0.000004	-9999	µg/m <sup>3</sup>	M2
Lead	0.000018	-9999	µg/m <sup>3</sup>	M2
Lithium	0.000016	-9999	µg/m <sup>3</sup>	M2
Magnesium	0.000279	-9999	µg/m <sup>3</sup>	M2
Manganese	0.000028	-9999	µg/m <sup>3</sup>	M2
Molybdenum	0.000025	-9999	µg/m <sup>3</sup>	M2
Neodymium	0.000005	-9999	µg/m <sup>3</sup>	M2
Nickel	0.000015	-9999	µg/m <sup>3</sup>	M2
Niobium	0.000006	-9999	µg/m <sup>3</sup>	M2
Palladium	0.000050	-9999	µg/m <sup>3</sup>	M2
Phosphorus	0.003480	-9999	µg/m <sup>3</sup>	M2
Platinum	0.000004	-9999	µg/m <sup>3</sup>	M2
Potassium	0.000402	-9999	µg/m <sup>3</sup>	M2
Praseodymium	0.000002	-9999	µg/m <sup>3</sup>	M2
Rubidium	0.000003	-9999	µg/m <sup>3</sup>	M2
Samarium	0.000006	-9999	µg/m <sup>3</sup>	M2
Selenium	0.000133	-9999	µg/m <sup>3</sup>	M2
Silicon	0.010200	-9999	µg/m <sup>3</sup>	M2
Silver	0.000006	-9999	µg/m <sup>3</sup>	M2
Sodium	0.000777	-9999	µg/m <sup>3</sup>	M2
Strontium	0.000012	-9999	µg/m <sup>3</sup>	M2
Tantalum	0.000003	-9999	µg/m <sup>3</sup>	M2
Thallium	0.000005	-9999	µg/m <sup>3</sup>	M2
Thorium	0.000002	-9999	µg/m <sup>3</sup>	M2
Tin	0.000008	-9999	µg/m <sup>3</sup>	M2
Titanium	0.000031	-9999	µg/m <sup>3</sup>	M2
Tungsten	0.000005	-9999	µg/m <sup>3</sup>	M2
Uranium	0.000003	-9999	µg/m <sup>3</sup>	M2
Vanadium	0.000018	-9999	µg/m <sup>3</sup>	M2
Zinc	0.000149	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803276
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.1	°C	
Pressure		732.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.089768	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.001327	µg/m <sup>3</sup>	V4
Arsenic	0.000005	0.000009	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000874	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.117987	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000072	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000710	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000066	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000420	µg/m <sup>3</sup>	V0
Iron	0.001585	0.085389	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000050	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000137	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000150	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.018524	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002203	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000067	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000035	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000480	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000054	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.033934	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000030	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.025987	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000105	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.176602	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.012198	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000301	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000310	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000108	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003721	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000064	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000291	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803299
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

### Notes

Sample collected during rainstorm

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.4	°C	
Pressure		708.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.056690	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000045	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000798	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.091579	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000069	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000937	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000043	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000229	µg/m <sup>3</sup>	V0
Iron	0.001585	0.066435	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000034	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000139	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000084	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.025086	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001784	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000107	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000033	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000306	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000035	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.015335	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000026	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.018157	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000067	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000165	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.220427	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.010376	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000218	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000201	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000014	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000037	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002248	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000048	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000018	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210803308
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.6	°C	
Pressure		716.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.012666	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000024	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000547	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.023238	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000428	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000020	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000097	µg/m <sup>3</sup>	V0
Iron	0.001585	0.010655	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000074	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000056	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004185	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000236	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000025	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000147	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000031	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.019860	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000028	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.002092	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000013	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.067735	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.002356	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000031	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000172	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000038	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000685	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000048	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210803312
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.4	°C	
Pressure		713.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.014669	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000063	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000040	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000252	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000015	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000032	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.029292	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000019	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000010	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001057	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000036	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000153	µg/m <sup>3</sup>	V0
Iron	0.001585	0.020741	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000077	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000252	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004761	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000517	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000146	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000312	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000150	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000203	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.019976	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000029	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.003572	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000031	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000008	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000044	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000043	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001815	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000153	µg/m <sup>3</sup>	V4
Thorium	0.000002	0.000031	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000051	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000744	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000609	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000009	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 210803327
Start Date:	2021-08-27 11:42	End Date:	2021-08-27 11:43	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.003222	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000026	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000006	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000117	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000678	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000018	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000076	µg/m <sup>3</sup>	V0
Iron	0.001585	0.005149	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.000315	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000076	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000036	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000351	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000105	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.026902	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.021350	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000822	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000014	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000343	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000102	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000026	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210803321
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration:	24.0 hr

### Notes

Short sampling duration and low sample volume due to power outage.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.4	°C	
Pressure		707.2	mmHg	
Sample Volume		23.2	m <sup>3</sup>	V6
Particulate Matter	0.042	5.259	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010383	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000027	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000053	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000199	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.018526	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001312	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000031	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000058	µg/m <sup>3</sup>	V0
Iron	0.001585	0.021381	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000084	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.003282	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000396	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000121	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000253	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000088	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.037928	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.001884	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000019	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.058468	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000668	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001282	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000075	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000123	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210803331
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, partisol had a filter temp status code. Total sampling time = 24:00, Valid sampling time = 23:04.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.6	°C	
Pressure		727.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.016512	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000110	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000088	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001354	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000016	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000020	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.032777	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000014	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001110	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000032	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001795	µg/m <sup>3</sup>	V0
Iron	0.001585	0.027145	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000274	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.005162	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001005	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000084	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000432	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000112	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.028667	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.045692	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000147	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.043403	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000011	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.004629	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000079	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000817	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000031	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000107	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001260	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000109	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000075	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004224	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210803340
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.0	°C	
Pressure		718.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010768	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000099	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000075	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000395	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000017	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000015	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.020274	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000828	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000064	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000268	µg/m <sup>3</sup>	V0
Iron	0.001585	0.015775	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000139	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000017	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.003337	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000529	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000078	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000585	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000125	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.025576	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.015273	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000035	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.041502	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.001870	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000027	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000921	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000032	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000097	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000589	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000125	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000085	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001707	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803364
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.2	°C	
Pressure		727.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.009515	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000051	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000067	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000343	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.019372	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000589	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000025	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000131	µg/m <sup>3</sup>	V0
Iron	0.001585	0.009092	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000081	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000020	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002728	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000251	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000059	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000222	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000241	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000059	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.026817	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.004564	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000020	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.097829	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000024	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.001199	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000028	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001210	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000062	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000036	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000642	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000122	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000052	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803377
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.1	°C	
Pressure		701.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.012231	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000088	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000048	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000347	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.023091	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000810	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000027	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000175	µg/m <sup>3</sup>	V0
Iron	0.001585	0.013088	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000092	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.003753	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000305	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000070	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000332	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000193	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.027564	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.006706	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000026	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.058654	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000013	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.003898	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000042	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001108	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000045	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000040	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000668	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000116	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000087	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Janvier	Loc ID:	JANV
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00
		Set Index:	1
		WBEA ID:	210803384
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.9	°C	
Pressure		706.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.017518	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000084	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000053	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000472	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.019242	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000022	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000610	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000035	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000159	µg/m <sup>3</sup>	V0
Iron	0.001585	0.016951	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000095	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.004198	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000490	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000047	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000231	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000143	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.026079	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.008248	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000031	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.049303	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.002498	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000043	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000967	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000037	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000052	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000866	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000123	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000072	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: **PM2.5 Metal**  
Location: **Anzac**  
Start Date: **2021-09-03 11:00**

### Deployment Information

Samp Use: **Field Procedure Blank** Set Index: **1**  
Loc ID: **ANZC** WBEA ID: **210903432**  
End Date: **2021-09-03 11:01** Duration: **0.0 hr**

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.008275	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000054	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000033	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000283	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000482	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000036	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000390	µg/m <sup>3</sup>	V0
Iron	0.001585	0.005586	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000138	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.000307	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000090	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000055	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000240	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000238	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.025752	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.047894	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000017	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.001400	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000052	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000025	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000474	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000138	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000044	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903405
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

### Notes

Raining during sample collection.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.3	°C	
Pressure		734.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.042602	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000056	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000031	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000423	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000030	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.077055	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000052	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000614	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000036	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000139	µg/m <sup>3</sup>	V0
Iron	0.001585	0.039292	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000112	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.008000	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000817	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000101	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000238	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000093	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.027789	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.004946	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000047	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.072278	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.008641	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000285	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000617	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000062	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001694	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000098	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000115	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.015603	µg/m <sup>3</sup>	V4



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903436
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.0	°C	
Pressure		715.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.021003	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000117	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000057	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000435	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000044	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.138797	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000022	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001035	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000123	µg/m <sup>3</sup>	V0
Copper	0.000027	0.004967	µg/m <sup>3</sup>	V4
Iron	0.001585	0.024530	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000086	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000022	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.009269	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000564	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000087	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000347	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000489	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000108	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.035546	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.016811	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000023	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.076141	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000061	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.017116	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000143	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.007472	µg/m <sup>3</sup>	V4
Thallium	0.000005	0.000052	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000073	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001206	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001053	µg/m <sup>3</sup>	V4
Uranium	0.000003	0.000009	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000094	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.138723	µg/m <sup>3</sup>	V4



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903438
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.0	°C	
Pressure		710.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.053465	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000732	µg/m <sup>3</sup>	V4
Arsenic	0.000005	0.000037	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001002	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.079583	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000065	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.008293	µg/m <sup>3</sup>	V4
Cobalt	0.000005	0.000078	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000386	µg/m <sup>3</sup>	V0
Iron	0.001585	0.119089	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000032	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000126	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000027	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.019372	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001463	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000362	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000027	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000485	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000095	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.036936	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.013877	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000071	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.122170	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.012517	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000208	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000606	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000019	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000017	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000077	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002326	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000116	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000720	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005391	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903449
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.0	°C	
Pressure		718.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.019192	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000049	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000023	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000632	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000017	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.022085	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000019	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000975	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000036	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000148	µg/m <sup>3</sup>	V0
Iron	0.001585	0.020841	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000139	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.003771	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000356	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000045	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000330	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000074	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.024285	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.005153	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000028	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.050884	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.003967	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000042	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000603	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000017	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000038	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001026	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000102	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000082	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 210903457
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration: 24.0 hr

### Notes

Upon collection of the sample, partisol had a filter temp status code.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.3	°C	
Pressure		735.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.022945	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000178	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000080	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001458	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000015	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.038610	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000023	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000814	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000034	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000706	µg/m <sup>3</sup>	V0
Iron	0.001585	0.036182	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000189	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.007776	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000613	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000068	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000383	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000139	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.033897	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.007326	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000031	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.055870	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000015	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.002566	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000097	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000811	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000136	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001433	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000129	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000073	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000186	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210903465
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.3	°C	
Pressure		726.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.008490	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000059	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000043	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000332	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000011	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.017270	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000682	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000025	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000571	µg/m <sup>3</sup>	V0
Iron	0.001585	0.011962	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000053	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.002127	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000192	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000079	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000296	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000174	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.034409	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.000778	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.031055	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000030	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000019	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000836	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000020	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000049	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000665	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000151	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000066	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 210903488
Start Date:	2021-09-08 13:35	End Date:	2021-09-08 13:36	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.011590	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000025	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000016	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000133	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.014057	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000018	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.003337	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000026	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001253	µg/m <sup>3</sup>	V0
Iron	0.001585	0.027526	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000079	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.000868	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000200	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000117	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000185	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000083	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.027630	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.026045	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.001842	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000015	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000649	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000027	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000522	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000095	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000178	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903479
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

### Notes

Unknown reason for low sample mass.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.5	°C	
Pressure		713.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Aluminum	0.002800	-9999	µg/m <sup>3</sup>	M2
Antimony	0.000016	-9999	µg/m <sup>3</sup>	M2
Arsenic	0.000005	-9999	µg/m <sup>3</sup>	M2
Barium	0.000054	-9999	µg/m <sup>3</sup>	M2
Beryllium	0.000013	-9999	µg/m <sup>3</sup>	M2
Bismuth	0.000004	-9999	µg/m <sup>3</sup>	M2
Cadmium	0.000011	-9999	µg/m <sup>3</sup>	M2
Calcium	0.013042	-9999	µg/m <sup>3</sup>	M2
Cerium	0.000013	-9999	µg/m <sup>3</sup>	M2
Cesium	0.000004	-9999	µg/m <sup>3</sup>	M2
Chromium	0.000045	-9999	µg/m <sup>3</sup>	M2
Cobalt	0.000005	-9999	µg/m <sup>3</sup>	M2
Copper	0.000027	-9999	µg/m <sup>3</sup>	M2
Iron	0.001585	-9999	µg/m <sup>3</sup>	M2
Lanthanum	0.000004	-9999	µg/m <sup>3</sup>	M2
Lead	0.000018	-9999	µg/m <sup>3</sup>	M2
Lithium	0.000016	-9999	µg/m <sup>3</sup>	M2
Magnesium	0.000279	-9999	µg/m <sup>3</sup>	M2
Manganese	0.000028	-9999	µg/m <sup>3</sup>	M2
Molybdenum	0.000025	-9999	µg/m <sup>3</sup>	M2
Neodymium	0.000005	-9999	µg/m <sup>3</sup>	M2
Nickel	0.000015	-9999	µg/m <sup>3</sup>	M2
Niobium	0.000006	-9999	µg/m <sup>3</sup>	M2
Palladium	0.000050	-9999	µg/m <sup>3</sup>	M2
Phosphorus	0.003480	-9999	µg/m <sup>3</sup>	M2
Platinum	0.000004	-9999	µg/m <sup>3</sup>	M2
Potassium	0.000402	-9999	µg/m <sup>3</sup>	M2
Praseodymium	0.000002	-9999	µg/m <sup>3</sup>	M2
Rubidium	0.000003	-9999	µg/m <sup>3</sup>	M2
Samarium	0.000006	-9999	µg/m <sup>3</sup>	M2
Selenium	0.000133	-9999	µg/m <sup>3</sup>	M2
Silicon	0.010200	-9999	µg/m <sup>3</sup>	M2
Silver	0.000006	-9999	µg/m <sup>3</sup>	M2
Sodium	0.000777	-9999	µg/m <sup>3</sup>	M2
Strontium	0.000012	-9999	µg/m <sup>3</sup>	M2
Tantalum	0.000003	-9999	µg/m <sup>3</sup>	M2
Thallium	0.000005	-9999	µg/m <sup>3</sup>	M2
Thorium	0.000002	-9999	µg/m <sup>3</sup>	M2
Tin	0.000008	-9999	µg/m <sup>3</sup>	M2
Titanium	0.000031	-9999	µg/m <sup>3</sup>	M2
Tungsten	0.000005	-9999	µg/m <sup>3</sup>	M2
Uranium	0.000003	-9999	µg/m <sup>3</sup>	M2
Vanadium	0.000018	-9999	µg/m <sup>3</sup>	M2
Zinc	0.000149	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903490
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.3	°C	
Pressure		705.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.008397	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000029	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000015	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000126	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.018928	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000515	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000019	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000273	µg/m <sup>3</sup>	V0
Iron	0.001585	0.010057	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000050	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.002228	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000185	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000033	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000216	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000058	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.026222	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000008	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.047035	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000449	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000015	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000585	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000062	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000043	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903502
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

### Notes

Raining during sample deployment.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.4	°C	
Pressure		729.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.004199	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000017	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000012	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.015077	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000484	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000019	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000107	µg/m <sup>3</sup>	V0
Iron	0.001585	0.005694	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000060	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.000742	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000139	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000204	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000046	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021163	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000358	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000029	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000599	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000060	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000023	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903523
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.7	°C	
Pressure		711.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006690	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000062	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000023	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000202	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000022	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.046922	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000735	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000215	µg/m <sup>3</sup>	V4
Copper	0.000027	0.010316	µg/m <sup>3</sup>	V4
Iron	0.001585	0.007370	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000034	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.002404	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000186	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000069	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000278	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000444	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000095	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	0.000422	µg/m <sup>3</sup>	V4
Potassium	0.000402	0.023413	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.014930	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000056	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.026044	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000042	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002625	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000066	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000501	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000478	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000035	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.378334	µg/m <sup>3</sup>	V4



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210903531
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, partisol had a filter temp status code. Total sampling time = 24:00, Valid sampling time = 23:59.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.2	°C	
Pressure		731.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.009266	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000093	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000041	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000758	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000018	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.017619	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001109	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000031	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000167	µg/m <sup>3</sup>	V0
Iron	0.001585	0.015597	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000028	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.001541	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000184	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000079	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000251	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000132	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000069	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.026707	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000015	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.031862	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000030	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000019	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000571	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000056	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000765	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000178	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000060	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000240	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210903542
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.4	°C	
Pressure		722.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.003263	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000019	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000015	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000075	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.016048	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001056	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000085	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000124	µg/m <sup>3</sup>	V0
Iron	0.001585	0.008377	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000022	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.000365	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000116	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000048	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000410	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000080	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.031733	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.011752	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.002301	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000572	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000323	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000062	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000054	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 210903611
Start Date:	2021-09-15 13:28	End Date:	2021-09-15 13:29	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.004832	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000092	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000076	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000137	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000024	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000099	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000013	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.034067	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000011	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000751	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000141	µg/m <sup>3</sup>	V4
Copper	0.000027	0.008463	µg/m <sup>3</sup>	V0
Iron	0.001585	0.009159	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000089	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.001047	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000231	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000104	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000370	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000408	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000159	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.030719	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.010434	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000013	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.031261	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000076	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.017359	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000027	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.004381	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000085	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000023	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000062	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000549	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001239	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000012	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000048	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.165862	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903566
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.4	°C	
Pressure		725.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.008038	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000047	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000058	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000095	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000623	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000019	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000118	µg/m <sup>3</sup>	V0
Iron	0.001585	0.012966	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000020	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.000794	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000263	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000084	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000082	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000318	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000099	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	0.000265	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.003750	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000011	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.051818	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000038	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.002518	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000033	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000471	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000248	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000066	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000416	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210903574
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, partisol had a filter temp status code.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.0	°C	
Pressure		727.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.021041	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000189	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000223	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001195	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000023	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.025509	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000774	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000026	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000412	µg/m <sup>3</sup>	V0
Iron	0.001585	0.031333	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000204	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.005470	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000579	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000093	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000187	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000149	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000131	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	0.000176	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.018636	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000047	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.085185	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000017	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.003016	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000070	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001231	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000096	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001022	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000210	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000115	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001486	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903587
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.1	°C	
Pressure		700.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006591	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000041	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000036	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000093	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000611	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000023	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.008350	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000032	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.000362	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000150	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000045	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000134	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000228	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000113	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	0.000201	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.006237	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.045564	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000021	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.001812	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000023	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000285	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000205	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000049	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000247	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903591
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.6	°C	
Pressure		706.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.008147	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000061	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000038	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000055	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.014815	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000522	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000015	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000042	µg/m <sup>3</sup>	V0
Iron	0.001585	0.010380	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000057	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.001787	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000248	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000082	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000149	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000160	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000119	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.031316	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000225	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.036168	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.001904	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000016	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000492	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000202	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000081	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210903601
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.9	°C	
Pressure		717.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.009973	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000039	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000035	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000138	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000522	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000021	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001009	µg/m <sup>3</sup>	V0
Iron	0.001585	0.009139	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000067	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.001863	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000269	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000047	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000189	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000162	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000116	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	0.000194	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.006608	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000015	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.040045	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000016	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.001206	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000020	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000612	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000166	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000051	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000291	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903614
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

### Notes

Unknown reason for low sample mass.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.8	°C	
Pressure		708.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Aluminum	0.002800	-9999	µg/m <sup>3</sup>	M2
Antimony	0.000016	-9999	µg/m <sup>3</sup>	M2
Arsenic	0.000005	-9999	µg/m <sup>3</sup>	M2
Barium	0.000054	-9999	µg/m <sup>3</sup>	M2
Beryllium	0.000013	-9999	µg/m <sup>3</sup>	M2
Bismuth	0.000004	-9999	µg/m <sup>3</sup>	M2
Cadmium	0.000011	-9999	µg/m <sup>3</sup>	M2
Calcium	0.013042	-9999	µg/m <sup>3</sup>	M2
Cerium	0.000013	-9999	µg/m <sup>3</sup>	M2
Cesium	0.000004	-9999	µg/m <sup>3</sup>	M2
Chromium	0.000045	-9999	µg/m <sup>3</sup>	M2
Cobalt	0.000005	-9999	µg/m <sup>3</sup>	M2
Copper	0.000027	-9999	µg/m <sup>3</sup>	M2
Iron	0.001585	-9999	µg/m <sup>3</sup>	M2
Lanthanum	0.000004	-9999	µg/m <sup>3</sup>	M2
Lead	0.000018	-9999	µg/m <sup>3</sup>	M2
Lithium	0.000016	-9999	µg/m <sup>3</sup>	M2
Magnesium	0.000279	-9999	µg/m <sup>3</sup>	M2
Manganese	0.000028	-9999	µg/m <sup>3</sup>	M2
Molybdenum	0.000025	-9999	µg/m <sup>3</sup>	M2
Neodymium	0.000005	-9999	µg/m <sup>3</sup>	M2
Nickel	0.000015	-9999	µg/m <sup>3</sup>	M2
Niobium	0.000006	-9999	µg/m <sup>3</sup>	M2
Palladium	0.000050	-9999	µg/m <sup>3</sup>	M2
Phosphorus	0.003480	-9999	µg/m <sup>3</sup>	M2
Platinum	0.000004	-9999	µg/m <sup>3</sup>	M2
Potassium	0.000402	-9999	µg/m <sup>3</sup>	M2
Praseodymium	0.000002	-9999	µg/m <sup>3</sup>	M2
Rubidium	0.000003	-9999	µg/m <sup>3</sup>	M2
Samarium	0.000006	-9999	µg/m <sup>3</sup>	M2
Selenium	0.000133	-9999	µg/m <sup>3</sup>	M2
Silicon	0.010200	-9999	µg/m <sup>3</sup>	M2
Silver	0.000006	-9999	µg/m <sup>3</sup>	M2
Sodium	0.000777	-9999	µg/m <sup>3</sup>	M2
Strontium	0.000012	-9999	µg/m <sup>3</sup>	M2
Tantalum	0.000003	-9999	µg/m <sup>3</sup>	M2
Thallium	0.000005	-9999	µg/m <sup>3</sup>	M2
Thorium	0.000002	-9999	µg/m <sup>3</sup>	M2
Tin	0.000008	-9999	µg/m <sup>3</sup>	M2
Titanium	0.000031	-9999	µg/m <sup>3</sup>	M2
Tungsten	0.000005	-9999	µg/m <sup>3</sup>	M2
Uranium	0.000003	-9999	µg/m <sup>3</sup>	M2
Vanadium	0.000018	-9999	µg/m <sup>3</sup>	M2
Zinc	0.000149	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210903639
Start Date:	2021-09-22 10:26	End Date:	2021-09-22 10:27	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.004059	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000045	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000038	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000017	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000008	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000826	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000029	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000047	µg/m <sup>3</sup>	V0
Iron	0.001585	0.007015	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.002043	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000079	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000102	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000148	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000108	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000140	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.036024	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000064	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000032	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000668	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000064	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000013	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000690	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000252	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000066	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Conklin	Loc ID:	CONK
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00
		Set Index:	1
		WBEA ID:	210903621
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.8	°C	
Pressure		702.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.038656	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000136	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000162	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000412	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000024	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000093	µg/m <sup>3</sup>	V4
Cadmium	0.000011	0.000026	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.052984	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000065	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000023	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000847	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000155	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000343	µg/m <sup>3</sup>	V0
Iron	0.001585	0.053994	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000040	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000106	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.014786	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001217	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000179	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000036	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000571	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000278	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000296	µg/m <sup>3</sup>	V4
Phosphorus	0.003480	0.037960	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000075	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.007788	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000023	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000082	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000020	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000140	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.249348	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000075	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.007300	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000162	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.004141	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000287	µg/m <sup>3</sup>	V4
Thorium	0.000002	0.000067	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000041	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001474	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001286	µg/m <sup>3</sup>	V4
Uranium	0.000003	0.000031	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000165	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000695	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903629
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.0	°C	
Pressure		709.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.017204	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000045	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000029	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000215	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.016591	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000014	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000331	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000019	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000048	µg/m <sup>3</sup>	V0
Iron	0.001585	0.012460	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000072	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.003209	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000206	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000153	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000093	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000079	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.035315	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000196	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000018	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.082404	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.002443	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000021	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000793	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000013	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000763	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000145	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000045	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903644
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.8	°C	
Pressure		726.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.069685	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000036	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000062	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000569	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.097018	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000054	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000615	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000059	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000321	µg/m <sup>3</sup>	V0
Iron	0.001585	0.038982	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000027	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000086	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000017	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.013093	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000856	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000091	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000026	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000236	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000074	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000095	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.035785	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000054	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.012961	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000094	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.200226	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000019	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.009045	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000240	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000315	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000033	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000018	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000060	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002525	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000115	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000211	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210903665
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.3	°C	
Pressure		728.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.020056	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000117	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000141	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000841	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.028589	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000023	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000827	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000049	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000684	µg/m <sup>3</sup>	V0
Iron	0.001585	0.023663	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000118	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.005846	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000429	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000074	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000394	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000072	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000066	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.043117	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000048	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000024	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.106169	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000013	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.005599	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000074	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000391	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000021	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000096	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001040	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000115	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000068	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903675
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.3	°C	
Pressure		707.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.014402	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000033	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000038	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000254	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000025	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.020450	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000016	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000448	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000035	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000036	µg/m <sup>3</sup>	V0
Iron	0.001585	0.013447	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000105	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.003538	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000223	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000033	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000122	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000053	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000060	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.035374	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000045	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000025	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.054680	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.005009	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000026	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000284	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000020	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000847	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000129	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000059	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210903686
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.9	°C	
Pressure		718.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.036151	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000058	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000047	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000590	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000019	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.075511	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000046	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000774	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000047	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000191	µg/m <sup>3</sup>	V0
Iron	0.001585	0.051635	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000022	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000101	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.013881	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000910	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000052	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000021	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000333	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000050	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000053	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.037337	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000057	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.006704	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000043	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000008	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.091780	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.012334	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000186	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000310	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000023	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001794	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000127	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000008	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000119	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000515	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PM2.5 Metal**      Samp Use: **Field Procedure Blank**      Set Index: **1**  
Location: **Patricia McInnes**      Loc ID: **PATM**      WBEA ID: **210903721**  
Start Date: **2021-09-28 11:35**      End Date: **2021-09-28 11:36**      Duration: **0.0 hr**

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.005763	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000026	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.017453	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000754	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000024	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000028	µg/m <sup>3</sup>	V0
Iron	0.001585	0.007525	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000060	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002534	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000112	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000077	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000209	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000104	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000064	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.052689	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000032	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.209213	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.004142	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000517	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000481	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000117	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000298	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903695
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.8	°C	
Pressure		710.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.021053	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000081	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000019	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000272	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000029	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.029824	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000027	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000753	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000042	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000275	µg/m <sup>3</sup>	V0
Iron	0.001585	0.025449	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000063	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000144	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.010048	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000510	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000080	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000248	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000562	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000110	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.051158	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000015	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.003702	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000024	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.830401	µg/m <sup>3</sup>	V4
Silver	0.000006	0.000055	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.009616	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000056	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.005590	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000074	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000021	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000933	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000306	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903701
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.6	°C	
Pressure		718.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.032396	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000055	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000606	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.039358	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000034	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000512	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000037	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000433	µg/m <sup>3</sup>	V0
Iron	0.001585	0.024339	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000020	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000191	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000099	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.012680	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000652	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000057	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000146	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000219	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000093	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.044309	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000022	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.012847	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000048	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.768110	µg/m <sup>3</sup>	V4
Silver	0.000006	0.000029	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.025780	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000102	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000914	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000049	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001312	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000135	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000247	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903708
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.6	°C	
Pressure		716.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.025652	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000055	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000285	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000014	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.038747	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000023	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000657	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000048	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001030	µg/m <sup>3</sup>	V0
Iron	0.001585	0.028334	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000109	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000077	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.009998	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000607	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000048	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000294	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000171	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000081	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.058460	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.015667	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000040	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.540226	µg/m <sup>3</sup>	V4
Silver	0.000006	0.000020	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.025247	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000078	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000744	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000041	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001140	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000148	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000262	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210903717
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, partisol had powerfail, sample period, and filter temp status codes. Resulted in a short sampling duration and low sample volume.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.5	°C	
Pressure		737.3	mmHg	
Sample Volume		22.4	m <sup>3</sup>	V6
Particulate Matter	0.042	3.661	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.042682	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000302	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000419	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002460	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000029	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000020	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.044855	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000049	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000933	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000048	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001472	µg/m <sup>3</sup>	V0
Iron	0.001585	0.044626	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000026	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000435	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000083	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.010552	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000781	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000086	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000017	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000298	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000103	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000082	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.059239	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000039	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.029343	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000068	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.193728	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000014	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.009527	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000184	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000467	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000072	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002509	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000108	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.001979	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210903727
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.0	°C	
Pressure		726.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.021098	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000068	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000496	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.032718	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000023	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000616	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000032	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000132	µg/m <sup>3</sup>	V0
Iron	0.001585	0.019056	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000082	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000075	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.006576	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000448	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000065	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000118	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000158	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000079	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.052983	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000032	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.014405	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000035	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.408871	µg/m <sup>3</sup>	V4
Silver	0.000006	0.000014	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.015727	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000062	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000693	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000031	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001008	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000111	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903739
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.8	°C	
Pressure		734.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.056036	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000122	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000565	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000017	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.036467	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000051	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000633	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000052	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000940	µg/m <sup>3</sup>	V0
Iron	0.001585	0.036500	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000029	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000167	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000108	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.010422	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000966	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000060	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000024	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000235	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000099	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000094	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.051670	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000035	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.012823	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000082	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.226374	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000018	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.010669	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000160	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000435	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.002520	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000082	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000715	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 211003800
Start Date:	2021-10-04 13:10	End Date:	2021-10-04 13:11	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.007185	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000020	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.016516	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000485	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000019	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.004604	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000049	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.000581	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000071	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000028	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000106	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000077	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000058	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.044399	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000036	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.069340	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000391	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000569	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000081	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211003790
Start Date:	2021-10-07 00:00	End Date:	2021-10-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.2	°C	
Pressure		713.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006471	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000021	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000055	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.016096	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000555	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000043	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000061	µg/m <sup>3</sup>	V0
Iron	0.001585	0.007490	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000036	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000053	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001929	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000167	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000036	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000242	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000075	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.057086	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000038	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.002398	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000023	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.063088	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.002466	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000402	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000698	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000049	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2021-10-07 00:00	End Date:	2021-10-08 00:00
		Set Index:	1
		WBEA ID:	211003804
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.1	°C	
Pressure		735.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.033461	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000258	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000069	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002414	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000026	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000024	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.056699	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000039	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000638	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000041	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001303	µg/m <sup>3</sup>	V0
Iron	0.001585	0.037261	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000015	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000147	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000066	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005948	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000514	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000101	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000161	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000063	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000102	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.049213	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000041	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.016422	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000058	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.078402	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.006024	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000119	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000347	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000094	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002096	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000112	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.001880	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Patricia McInnes	Loc ID:	PATM
Start Date:	2021-10-07 00:00	End Date:	2021-10-08 00:00
		Set Index:	1
		WBEA ID:	211003815
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.0	°C	
Pressure		724.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010335	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000058	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000403	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000305	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000028	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.015325	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000014	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000571	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000025	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000729	µg/m <sup>3</sup>	V0
Iron	0.001585	0.010459	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000086	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000054	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002363	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000251	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000076	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000262	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000053	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.044734	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000035	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.020276	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000054	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.017494	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.007842	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000259	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001967	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000058	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000654	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211003871
Start Date:	2021-10-07 00:00	End Date:	2021-10-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.0	°C	
Pressure		708.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.018829	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000154	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001074	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000027	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000024	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.031231	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000022	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000352	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000035	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000450	µg/m <sup>3</sup>	V0
Iron	0.001585	0.023200	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000027	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000206	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000063	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.006121	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000500	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000097	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000193	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000419	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000121	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.057864	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000032	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.008888	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000040	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.044445	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000048	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.008818	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000066	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.003416	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000037	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001075	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000847	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000689	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211003878
Start Date:	2021-10-07 00:00	End Date:	2021-10-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.9	°C	
Pressure		715.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.011190	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000054	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000106	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.021435	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000773	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000027	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000216	µg/m <sup>3</sup>	V0
Iron	0.001585	0.012976	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000044	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000047	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002285	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000245	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000087	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000109	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000138	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000077	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.057247	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000050	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000014	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.024074	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000022	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.003330	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000515	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001189	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000156	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211003896
Start Date:	2021-10-07 00:00	End Date:	2021-10-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.1	°C	
Pressure		732.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.101208	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000032	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000772	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.035338	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000077	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000698	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000129	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000137	µg/m <sup>3</sup>	V0
Iron	0.001585	0.055632	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000043	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000070	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000145	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.018618	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000790	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000051	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000038	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000432	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000122	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000053	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.058547	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000040	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.030672	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000155	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000008	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.414768	µg/m <sup>3</sup>	V4
Silver	0.000006	0.000013	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.011592	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000270	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000437	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.004467	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000096	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000575	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 211003945
Start Date:	2021-10-12 11:45	End Date:	2021-10-12 11:46	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.005540	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000065	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000047	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000010	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001459	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000038	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000133	µg/m <sup>3</sup>	V0
Iron	0.001585	0.012767	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000075	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000201	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000236	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000319	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000403	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000200	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.051601	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000041	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000021	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000008	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000059	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.002701	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000060	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001562	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000998	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000009	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211003912
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.8	°C	
Pressure		706.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.016624	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000046	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000176	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000015	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.027048	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000018	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000885	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000030	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000062	µg/m <sup>3</sup>	V0
Iron	0.001585	0.020657	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000140	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000061	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.007146	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000532	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000055	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000377	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000069	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.054092	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000043	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.017197	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000021	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.036306	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.006472	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000034	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000338	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000930	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000063	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211003922
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.9	°C	
Pressure		714.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.018377	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000049	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000232	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000015	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.025090	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000018	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000576	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000023	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000046	µg/m <sup>3</sup>	V0
Iron	0.001585	0.015827	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000094	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000061	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.007591	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000453	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000046	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000219	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000041	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.050126	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000036	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.017552	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000036	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.025726	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.005482	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000024	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000223	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001021	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000055	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00
		Set Index:	1
		WBEA ID:	211003935
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.5	°C	
Pressure		730.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.150194	µg/m <sup>3</sup>	V4
Antimony	0.000016	0.000065	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001444	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.103824	µg/m <sup>3</sup>	V4
Cerium	0.000013	0.000157	µg/m <sup>3</sup>	V4
Cesium	0.000004	0.000008	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000916	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000111	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001027	µg/m <sup>3</sup>	V0
Iron	0.001585	0.105234	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000091	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000199	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000225	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.030814	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001883	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000107	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000078	µg/m <sup>3</sup>	V4
Nickel	0.000015	0.000436	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000108	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000059	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.058213	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000039	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.034597	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000023	µg/m <sup>3</sup>	V4
Rubidium	0.000003	0.000203	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000015	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000141	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.329244	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000011	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.032648	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000537	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000398	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000027	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.007961	µg/m <sup>3</sup>	V4
Tungsten	0.000005	0.000083	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000008	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000282	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000641	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211003951
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.7	°C	
Pressure		712.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.016775	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000068	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000281	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000015	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.025575	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000015	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000743	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000032	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001051	µg/m <sup>3</sup>	V0
Iron	0.001585	0.015985	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000110	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000075	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.006655	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000381	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000107	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000323	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000136	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000090	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.059354	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000038	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.005160	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000017	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.018701	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000026	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.008961	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000029	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000388	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.002301	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000159	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211003955
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, partisol had a filter temp status code.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.8	°C	
Pressure		733.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.026913	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000186	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001607	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.034590	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000045	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000458	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000032	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000721	µg/m <sup>3</sup>	V0
Iron	0.001585	0.033643	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000025	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000144	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000063	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.010790	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000601	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000079	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000170	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000028	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000051	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.044232	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000030	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.006184	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000034	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.008310	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000104	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000112	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000012	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002115	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000055	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.001286	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211003963
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.8	°C	
Pressure		722.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.018155	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000088	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000547	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.025559	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000022	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000896	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000029	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000769	µg/m <sup>3</sup>	V0
Iron	0.001585	0.021176	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000103	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000062	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.006047	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000352	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000081	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000194	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000047	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.044495	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000035	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.017924	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000045	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.028301	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.013697	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000039	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000211	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001485	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000050	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000361	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PM2.5 Metal**      Samp Use: **Field Procedure Blank**      Set Index: **1**  
Location: **Conklin**      Loc ID: **CONK**      WBEA ID: **211004313**  
Start Date: **2021-10-18 11:55**      End Date: **2021-10-18 11:56**      Duration: **0.0 hr**

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010109	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000579	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000022	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000280	µg/m <sup>3</sup>	V0
Iron	0.001585	0.038026	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000026	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000039	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000487	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000053	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000162	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000060	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.058804	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000046	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000277	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001382	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000069	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211004039
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.1	°C	
Pressure		742.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.032470	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000084	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000264	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000239	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.077855	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000024	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001101	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000053	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000310	µg/m <sup>3</sup>	V0
Iron	0.001585	0.020548	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000106	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000071	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005920	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000635	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000098	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000517	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000034	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.072213	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000034	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.009482	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000065	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.029042	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.007755	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000115	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000158	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001392	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000050	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.001070	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211004066
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.8	°C	
Pressure		744.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.014145	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000077	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000548	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.028974	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000022	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000559	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000033	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000456	µg/m <sup>3</sup>	V0
Iron	0.001585	0.018931	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000115	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000049	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004324	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000357	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000054	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000122	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000044	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.054629	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000049	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.000415	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000016	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.018999	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.004746	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000048	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000226	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000921	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000076	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.001151	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211004072
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.1	°C	
Pressure		733.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.011839	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000064	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000466	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.015573	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000016	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000979	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000039	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000278	µg/m <sup>3</sup>	V0
Iron	0.001585	0.018211	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000145	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000059	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.003691	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000449	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000074	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000396	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000052	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000056	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.064216	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000036	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.000774	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000020	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.004037	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000025	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000248	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000862	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000068	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000274	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211004077
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.0	°C	
Pressure		722.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.009389	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000656	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000023	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000413	µg/m <sup>3</sup>	V0
Iron	0.001585	0.009704	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000063	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000040	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001004	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000156	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000062	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000149	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000045	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.064104	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000044	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.003665	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000206	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000454	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000052	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211004317
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.0	°C	
Pressure		716.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.015196	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000021	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000213	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000032	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.023097	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000019	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001717	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000027	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000166	µg/m <sup>3</sup>	V0
Iron	0.001585	0.025004	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000100	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000049	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005403	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000715	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000053	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000120	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000051	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.030819	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000047	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.022955	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000063	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.021839	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.005555	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000053	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000204	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.003489	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000056	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.002291	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211004351
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.6	°C	
Pressure		724.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.023734	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000089	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000281	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000023	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000089	µg/m <sup>3</sup>	V4
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.018379	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000035	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000015	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001085	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000080	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000257	µg/m <sup>3</sup>	V0
Iron	0.001585	0.018559	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000022	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000083	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000157	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.006016	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000610	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000205	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000020	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000611	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000294	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000353	µg/m <sup>3</sup>	V4
Phosphorus	0.003480	0.057816	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000049	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.003876	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000060	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000013	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.028092	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000094	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.004972	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000070	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.003851	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000195	µg/m <sup>3</sup>	V4
Thorium	0.000002	0.000049	µg/m <sup>3</sup>	V4
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001120	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001088	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000033	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211004412
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.6	°C	
Pressure		713.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010591	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000067	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000190	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000571	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000023	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000162	µg/m <sup>3</sup>	V0
Iron	0.001585	0.009142	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000323	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000045	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001952	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000268	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000034	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000205	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000033	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.050076	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000052	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.002243	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000015	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000190	µg/m <sup>3</sup>	V0
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.002316	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000172	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000783	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000054	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211004418
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, partisol had a filter temp status code.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.4	°C	
Pressure		723.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.016743	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000132	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000519	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000023	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000025	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.024491	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000022	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000575	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000032	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001345	µg/m <sup>3</sup>	V0
Iron	0.001585	0.016335	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000589	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000096	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005752	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000427	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000091	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000209	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000094	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000162	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.051632	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000046	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.009351	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000036	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000228	µg/m <sup>3</sup>	V0
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000042	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.005331	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000055	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000327	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000054	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001130	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000183	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.001363	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Anzac	Loc ID:	ANZC
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00
		Set Index:	1
		WBEA ID:	211004425
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.7	°C	
Pressure		702.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.004815	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000046	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.002566	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000030	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000073	µg/m <sup>3</sup>	V0
Iron	0.001585	0.025650	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000250	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000053	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.000796	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000231	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000132	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000307	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000049	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000053	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.061790	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000037	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000162	µg/m <sup>3</sup>	V0
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.001585	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000208	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000533	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000056	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211004440
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.6	°C	
Pressure		721.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.013351	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000082	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000095	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000017	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.017132	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000816	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000036	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000447	µg/m <sup>3</sup>	V0
Iron	0.001585	0.022866	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000546	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000068	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.003240	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000806	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000409	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000890	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000027	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000064	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.048765	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000035	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.008641	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000021	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000158	µg/m <sup>3</sup>	V0
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000013	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.003888	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000019	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000106	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000864	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000072	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.001110	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211004453
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.7	°C	
Pressure		704.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.008324	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000050	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000117	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000028	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000013	µg/m <sup>3</sup>	V0
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.002175	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000027	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000070	µg/m <sup>3</sup>	V0
Iron	0.001585	0.019238	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000261	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000061	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001790	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000260	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000098	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000245	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000020	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000061	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.042716	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000034	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.003559	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000011	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000212	µg/m <sup>3</sup>	V0
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000011	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.002323	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000072	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000628	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000048	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211004500
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.7	°C	
Pressure		704.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.013095	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000070	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000151	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000014	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000015	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.017237	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000966	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000032	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000077	µg/m <sup>3</sup>	V0
Iron	0.001585	0.010614	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000336	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000079	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.003803	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000254	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000114	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000239	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000059	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000102	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.056631	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000048	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.007362	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000018	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000218	µg/m <sup>3</sup>	V0
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000023	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.003672	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000034	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000246	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000024	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001371	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000113	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000410	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 211004622
Start Date:	2021-10-26 12:40	End Date:	2021-10-26 12:41	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.005523	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000808	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000021	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000673	µg/m <sup>3</sup>	V0
Iron	0.001585	0.006284	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000042	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000069	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.000653	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000074	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000062	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000112	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000034	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000085	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.054303	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000040	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000016	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000161	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000795	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000084	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 211004652
Start Date:	2021-10-27 14:35	End Date:	2021-10-27 14:36	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.004742	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000744	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000023	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000130	µg/m <sup>3</sup>	V0
Iron	0.001585	0.005489	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000043	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000100	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000037	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000262	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000040	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.065889	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000032	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.001045	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000201	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000491	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000042	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211004625
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.0	°C	
Pressure		724.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.016491	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000029	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000190	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000018	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.015800	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000014	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001047	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000036	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000091	µg/m <sup>3</sup>	V0
Iron	0.001585	0.014415	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000084	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000050	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004109	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000269	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000066	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000320	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000109	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000063	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.062939	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000030	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.003459	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000019	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000022	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.005210	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000020	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000319	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001421	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000130	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000260	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211004634
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.4	°C	
Pressure		717.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.035788	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000034	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000432	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000015	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.048014	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000043	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000590	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000041	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000194	µg/m <sup>3</sup>	V0
Iron	0.001585	0.052532	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000020	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000085	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000068	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.014543	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000769	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000066	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000019	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000205	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000084	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000057	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.061254	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000032	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.007903	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000040	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.069596	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000015	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.012337	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000132	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000252	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001494	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000083	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00
		Set Index:	1
		WBEA ID:	211004656
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.5	°C	
Pressure		744.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.029886	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000081	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000468	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000325	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000030	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000021	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.054879	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000030	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001426	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000052	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000674	µg/m <sup>3</sup>	V0
Iron	0.001585	0.027704	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000015	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000111	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000077	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.007177	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000552	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000133	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000649	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000389	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000129	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.062717	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000028	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.020241	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000057	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.033363	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000048	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.007829	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000099	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002945	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000035	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001319	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000906	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.001365	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211004708
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

### Notes

Power outage resulted in short sampling duration and low sample volume.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.0	°C	
Pressure		723.8	mmHg	
Sample Volume		23.2	m <sup>3</sup>	V6
Particulate Matter	0.042	1.853	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.013683	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000045	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000836	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000066	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000019	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.020141	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.003833	µg/m <sup>3</sup>	V4
Cobalt	0.000005	0.000041	µg/m <sup>3</sup>	V0
Copper	0.000027	0.002253	µg/m <sup>3</sup>	V0
Iron	0.001585	0.042086	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000093	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000061	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.003088	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000356	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000476	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000345	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000102	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000071	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.065537	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000040	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.004173	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000014	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000019	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.005906	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000354	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000911	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000122	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211004713
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

### Notes

Raining during sample collection.  
Upon collection of the sample, partisol had a filter temp status code.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.1	°C	
Pressure		746.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.027837	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000304	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000119	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002582	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000024	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000030	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.043617	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000047	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000842	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000050	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001223	µg/m <sup>3</sup>	V0
Iron	0.001585	0.047357	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000341	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000068	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.010304	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000707	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000132	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000256	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000077	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000081	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.060495	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000046	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.016338	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000044	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.073726	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000017	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.017355	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000169	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000325	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000130	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002458	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000166	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.003377	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211004719
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.2	°C	
Pressure		734.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010878	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000081	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001158	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000278	µg/m <sup>3</sup>	V4
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.019677	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000016	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001014	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000033	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001562	µg/m <sup>3</sup>	V0
Iron	0.001585	0.018437	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000109	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000048	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004627	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000182	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000136	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000204	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000041	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.046735	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000038	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.015294	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000015	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.008631	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000043	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000186	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001403	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000066	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000400	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211104810
Start Date:	2021-11-05 13:25	End Date:	2021-11-05 13:26	Duration:	0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.007293	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000913	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000017	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000379	µg/m <sup>3</sup>	V0
Iron	0.001585	0.009473	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000049	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002190	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000114	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000069	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000152	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000064	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000011	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000280	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000033	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000356	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000078	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000050	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211104747
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.9	°C	
Pressure		708.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.008255	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000131	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000240	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000395	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000043	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000071	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.014503	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000952	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000032	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001113	µg/m <sup>3</sup>	V0
Iron	0.001585	0.012084	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000189	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000095	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001096	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000345	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000093	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000462	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000450	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000107	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.005064	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.035424	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000040	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.083937	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000050	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.006308	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000026	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.004150	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000080	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000044	µg/m <sup>3</sup>	V4
Tin	0.000008	0.000080	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000542	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000308	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000159	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002554	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211104753
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.2	°C	
Pressure		700.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.008236	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000071	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000115	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000225	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000021	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000069	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.017985	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000904	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000121	µg/m <sup>3</sup>	V0
Copper	0.000027	0.004187	µg/m <sup>3</sup>	V0
Iron	0.001585	0.022174	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000278	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000095	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001824	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000338	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000071	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000554	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000316	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000095	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.014581	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.037175	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000058	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.040222	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000028	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.007666	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000027	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001635	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000059	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000017	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000070	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000544	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000197	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000077	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.006169	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00
		Set Index:	1
		WBEA ID:	211104776
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.6	°C	
Pressure		726.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.012766	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000050	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000080	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000421	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000016	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000058	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.017742	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000814	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000034	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000715	µg/m <sup>3</sup>	V0
Iron	0.001585	0.013524	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000179	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000112	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004778	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000421	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000099	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000356	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000212	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000086	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.016477	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.038891	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000061	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.034553	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000019	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.003855	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000020	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001175	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000050	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000050	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000624	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000162	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000045	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004091	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211104797
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

### Notes

Low sample volume due to power blip on sample day.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.2	°C	
Pressure		707.0	mmHg	
Sample Volume		21.9	m <sup>3</sup>	V6
Particulate Matter	0.042	7.991	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006006	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000126	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000049	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000085	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000192	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.014145	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000925	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000021	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000286	µg/m <sup>3</sup>	V0
Iron	0.001585	0.008890	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000322	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000056	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001208	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000168	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000091	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000167	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000095	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.052850	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000079	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000012	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.005394	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000399	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000070	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000480	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000091	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000331	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003104	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211104803
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.4	°C	
Pressure		728.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.016039	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000189	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000631	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001397	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000020	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000033	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.022362	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000018	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000933	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000035	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001147	µg/m <sup>3</sup>	V0
Iron	0.001585	0.023457	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000171	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000093	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004884	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000722	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000107	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000318	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000157	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000080	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.010099	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.025761	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000049	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.032975	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000020	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.004262	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000056	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000780	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000040	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000168	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001136	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000130	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000234	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003380	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Patricia McInnes	Loc ID:	PATM
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00
		Set Index:	1
		WBEA ID:	211104814
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.2	°C	
Pressure		717.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.008202	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000052	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000037	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000331	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000039	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.015358	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000729	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000028	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000530	µg/m <sup>3</sup>	V0
Iron	0.001585	0.011701	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000076	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000047	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.003426	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000271	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000066	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000309	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000079	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.009978	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.013052	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000030	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.001144	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000415	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000060	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000689	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000104	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000195	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003471	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 211104832
Start Date:	2021-11-09 08:38	End Date:	2021-11-09 08:39	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
 Mass Flag: 'b1', Field/-dynamic blank.  
 Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.011474	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000020	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.022259	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000596	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000014	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000616	µg/m <sup>3</sup>	V0
Iron	0.001585	0.003919	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000062	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000065	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002135	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000092	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000126	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000067	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.015214	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000052	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000389	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000020	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000560	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000072	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211104821
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.0	°C	
Pressure		714.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.011877	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000126	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000093	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000189	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000027	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000052	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.021437	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000011	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001261	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000042	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000433	µg/m <sup>3</sup>	V0
Iron	0.001585	0.012686	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000180	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000069	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005295	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000354	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000085	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000396	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000409	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000121	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.050515	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000075	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.028001	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000040	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.026129	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000034	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.003058	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000041	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000086	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000808	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001116	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000038	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002840	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211104827
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.8	°C	
Pressure		724.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010828	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000083	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000072	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000324	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000059	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.015677	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000995	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000042	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001732	µg/m <sup>3</sup>	V0
Iron	0.001585	0.017126	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000337	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000067	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005079	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000300	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000080	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000338	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000160	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000056	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.003750	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.044112	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000077	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.017011	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000020	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.025054	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000035	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000616	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000115	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001633	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000171	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000029	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004902	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211104836
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.3	°C	
Pressure		736.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010992	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000070	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000065	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000408	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000056	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.023835	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000014	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000469	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000019	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000407	µg/m <sup>3</sup>	V0
Iron	0.001585	0.008720	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000206	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000087	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004551	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000247	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000052	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000137	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000133	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.014431	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.050467	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000082	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.027215	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000015	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.028699	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000037	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000706	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000032	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000081	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000601	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000099	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.003099	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211104856
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.5	°C	
Pressure		733.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.018830	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000049	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000050	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000369	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000045	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.024669	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000017	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000837	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000130	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000457	µg/m <sup>3</sup>	V0
Iron	0.001585	0.013338	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000268	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000087	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004161	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000310	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000161	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000223	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000059	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.037439	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000065	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.022013	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.016180	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000053	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000330	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000058	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001137	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000078	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000984	µg/m <sup>3</sup>	V4
Zinc	0.000149	0.001777	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211104871
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.4	°C	
Pressure		708.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.009895	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000071	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000069	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000131	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000071	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.027017	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000753	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000028	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000408	µg/m <sup>3</sup>	V0
Iron	0.001585	0.008874	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000281	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000075	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004854	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000198	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000058	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000197	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000134	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018742	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000020	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.039995	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000047	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.022100	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.017699	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000047	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000701	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000029	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000063	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000495	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000112	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000039	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003512	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Janvier	Loc ID:	JANV
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00
		Set Index:	1
		WBEA ID:	211104876
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.6	°C	
Pressure		716.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.009026	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000045	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000041	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000181	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000052	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.015209	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000637	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000017	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000586	µg/m <sup>3</sup>	V0
Iron	0.001585	0.007520	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000189	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000065	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.003871	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000160	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000034	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000138	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000080	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000056	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.007390	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.034274	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000037	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.022200	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.019067	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000013	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000506	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000021	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000053	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000664	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000084	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000025	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003450	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 211104892
Start Date:	2021-11-15 10:51	End Date:	2021-11-15 10:52	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006345	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.014546	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000773	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000021	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000261	µg/m <sup>3</sup>	V0
Iron	0.001585	0.006172	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000025	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000045	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.000776	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000124	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000050	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000259	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000050	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000298	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000019	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001048	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000074	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000204	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211104885
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.1	°C	
Pressure		710.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.015079	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000111	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000292	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000440	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000124	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.020738	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000632	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000029	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000291	µg/m <sup>3</sup>	V0
Iron	0.001585	0.012247	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000158	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000539	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000051	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.003286	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000373	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000091	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000229	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000042	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.057520	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000078	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.014203	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.013426	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000063	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000240	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000054	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000733	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000077	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000196	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004610	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00
		Set Index:	1
		WBEA ID:	211104896
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.6	°C	
Pressure		732.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.022007	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000291	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000350	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002346	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000017	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000138	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.026303	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000044	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000717	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000073	µg/m <sup>3</sup>	V0
Copper	0.000027	0.003235	µg/m <sup>3</sup>	V0
Iron	0.001585	0.031329	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000215	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000648	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000056	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005767	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000614	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000158	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000518	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000066	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.054063	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000094	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.027056	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000013	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.025365	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000139	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000346	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000221	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001611	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000117	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000243	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005702	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211104906
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.3	°C	
Pressure		721.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.016001	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000329	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000292	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000999	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000120	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.018569	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000025	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000879	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000038	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001826	µg/m <sup>3</sup>	V0
Iron	0.001585	0.020747	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000137	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000562	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000084	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005100	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000771	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000183	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000367	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000080	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.013207	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.062229	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000096	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.029918	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000012	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.023129	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000078	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000492	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000021	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000331	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001097	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000113	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000178	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.006846	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211104922
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.3	°C	
Pressure		730.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.015784	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.001288	µg/m <sup>3</sup>	V4
Arsenic	0.000005	0.000138	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000229	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000027	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000083	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.020369	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000017	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000949	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000040	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001274	µg/m <sup>3</sup>	V0
Iron	0.001585	0.019760	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000041	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000362	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000091	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.003244	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000984	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000163	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000376	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000073	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000063	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.051104	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000090	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.032941	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000025	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.009639	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000044	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000339	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000025	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000110	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001030	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000136	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000012	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000161	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003776	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211104933
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.0	°C	
Pressure		714.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.013908	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000134	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000420	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000379	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000015	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000111	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.019161	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000008	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000615	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000037	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000304	µg/m <sup>3</sup>	V0
Iron	0.001585	0.011930	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000161	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000733	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000095	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001912	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000399	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000118	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000212	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000132	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000129	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.053481	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000086	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.032422	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000035	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.013613	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000046	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000652	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000063	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000188	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000634	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000270	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000178	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005255	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211104959
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.7	°C	
Pressure		704.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.013457	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000124	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000441	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000275	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000156	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.020288	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000553	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000037	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000400	µg/m <sup>3</sup>	V0
Iron	0.001585	0.011205	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000124	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000805	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000074	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002313	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000301	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000063	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000329	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000039	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.073623	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000100	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000016	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.018337	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000052	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000231	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000017	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000102	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000984	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000094	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000100	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.007904	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 211105018
Start Date:	2021-11-23 16:35	End Date:	2021-11-23 16:36	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.034693	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000082	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000068	µg/m <sup>3</sup>	V0
Barium	0.000054	0.023013	µg/m <sup>3</sup>	V4
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000030	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.014722	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000018	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000915	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000034	µg/m <sup>3</sup>	V0
Copper	0.000027	0.016553	µg/m <sup>3</sup>	V0
Iron	0.001585	0.026457	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000354	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000559	µg/m <sup>3</sup>	V4
Magnesium	0.000279	0.160018	µg/m <sup>3</sup>	V4
Manganese	0.000028	0.001769	µg/m <sup>3</sup>	V4
Molybdenum	0.000025	0.001212	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000304	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000396	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000298	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000011	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.185491	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000073	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.003814	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000309	µg/m <sup>3</sup>	V4
Tantalum	0.000003	0.002444	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000058	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000195	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.045277	µg/m <sup>3</sup>	V4
Tungsten	0.000005	0.001228	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000024	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211104969
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		744.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010471	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000099	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000275	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001163	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000018	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000024	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.038168	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000027	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000945	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000033	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000598	µg/m <sup>3</sup>	V0
Iron	0.001585	0.037336	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000032	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000203	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000084	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.029210	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001066	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000083	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000347	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000047	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.023998	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000045	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.162266	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000225	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000269	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000090	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001042	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000071	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000065	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001453	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211104976
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		730.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.018781	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000067	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000037	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000575	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000021	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.023931	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000020	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000785	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000039	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000333	µg/m <sup>3</sup>	V0
Iron	0.001585	0.016743	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000026	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000118	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000083	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.026853	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000360	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000057	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000299	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000029	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.019297	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000048	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000011	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.129481	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000175	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000141	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000073	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000831	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000067	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000061	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001155	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00
		Set Index:	1
		WBEA ID:	211104994
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		740.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.023020	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000362	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000158	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000811	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.041502	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000027	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000793	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000040	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000328	µg/m <sup>3</sup>	V0
Iron	0.001585	0.023958	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000138	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000082	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.032714	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000821	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000225	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000267	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000079	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.005731	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.019155	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000070	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.039805	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.146986	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000215	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000275	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000055	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002485	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000080	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000420	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000926	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Janvier	Loc ID:	JANV
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00
		Set Index:	1
		WBEA ID:	211105005
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C	
Pressure		722.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010835	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000054	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000038	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000233	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000040	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.025356	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001066	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000021	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000192	µg/m <sup>3</sup>	V0
Iron	0.001585	0.015410	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000052	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000131	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000063	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.020019	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000347	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000080	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000197	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000058	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.024052	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000035	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.022527	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.116812	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000123	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000320	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000028	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000768	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000090	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000177	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001355	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211105024
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		712.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.011971	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000076	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000117	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000197	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000050	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.030790	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001188	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000036	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001742	µg/m <sup>3</sup>	V0
Iron	0.001585	0.015575	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000037	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000294	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000062	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.019573	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000354	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000099	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000300	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000143	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000061	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.004528	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.037665	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000070	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.019389	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000028	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.112406	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000148	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000418	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000019	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000055	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000655	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000200	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000179	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003210	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211105029
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		719.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.009610	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000041	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000038	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000133	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000017	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000018	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.041629	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000625	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000029	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000497	µg/m <sup>3</sup>	V0
Iron	0.001585	0.007186	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000101	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000069	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.016931	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000211	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000063	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000276	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000077	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000077	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.012156	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000023	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000021	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.095554	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000123	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000402	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000033	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000041	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000835	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000148	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000037	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000232	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211105082
Start Date:	2021-11-26 13:20	End Date:	2021-11-26 13:21	Duration:	0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.003302	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.016203	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000734	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000016	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000131	µg/m <sup>3</sup>	V0
Iron	0.001585	0.003876	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000038	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000101	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000030	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000317	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000038	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.145820	µg/m <sup>3</sup>	V4
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000215	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000015	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000519	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000060	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211105038
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.9	°C	
Pressure		716.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.015248	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000041	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000026	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000352	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000021	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.023987	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000018	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000893	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000026	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000224	µg/m <sup>3</sup>	V0
Iron	0.001585	0.014154	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000082	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000067	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005072	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000400	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000091	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000363	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000057	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.017433	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000041	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.032490	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.018596	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000064	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000203	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000047	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000973	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000081	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000240	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000510	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211105042
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.5	°C	
Pressure		729.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.012420	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000073	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000022	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000848	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000015	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.022086	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000015	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000531	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000019	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000353	µg/m <sup>3</sup>	V0
Iron	0.001585	0.015698	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000075	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000063	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005043	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000804	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000078	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000183	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000057	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.043976	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000121	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000011	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.032786	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000063	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000196	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000068	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000807	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000091	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000068	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002960	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211105049
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.8	°C	
Pressure		706.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.005118	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000029	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000021	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000075	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000037	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.015081	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000501	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000018	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000362	µg/m <sup>3</sup>	V0
Iron	0.001585	0.005319	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000108	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000049	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001726	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000134	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000033	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000183	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000056	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.012700	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000026	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.012701	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.008951	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000293	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000038	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000566	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000082	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000502	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211105059
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.5	°C	
Pressure		726.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.060791	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000177	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000142	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000907	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000152	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.148536	µg/m <sup>3</sup>	V4
Cerium	0.000013	0.000069	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000656	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000055	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001068	µg/m <sup>3</sup>	V0
Iron	0.001585	0.073877	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000032	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000599	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000151	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.021344	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002881	µg/m <sup>3</sup>	V4
Molybdenum	0.000025	0.000241	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000028	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000548	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000088	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.045166	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000172	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.084115	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000018	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.046630	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000361	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000300	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000439	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003309	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000148	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000605	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005711	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211105076
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.4	°C	
Pressure		699.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.004065	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000076	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000061	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000185	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000039	µg/m <sup>3</sup>	V0
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000721	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000024	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001929	µg/m <sup>3</sup>	V0
Iron	0.001585	0.007076	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000025	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000200	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000047	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.000484	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000237	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000075	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000274	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000025	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.018954	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000034	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.005848	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000123	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000034	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001486	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000065	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000811	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211105086
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.0	°C	
Pressure		704.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010183	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000150	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000153	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000198	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000017	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000059	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000058	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.020992	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000023	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000033	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000868	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000043	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000372	µg/m <sup>3</sup>	V0
Iron	0.001585	0.007544	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000035	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000114	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000126	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.003618	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000317	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000226	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000020	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000352	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000333	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000353	µg/m <sup>3</sup>	V4
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.021052	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000021	µg/m <sup>3</sup>	V4
Rubidium	0.000003	0.000053	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000019	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.015638	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000084	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.006473	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000040	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.003982	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000234	µg/m <sup>3</sup>	V4
Thorium	0.000002	0.000022	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000106	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000487	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001321	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000016	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000066	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 211205148
Start Date:	2021-12-03 15:45	End Date:	2021-12-03 15:46	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.028355	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000018	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000144	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000538	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000058	µg/m <sup>3</sup>	V0
Copper	0.000027	0.002536	µg/m <sup>3</sup>	V0
Iron	0.001585	0.006044	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000059	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.001660	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000119	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000448	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000086	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.050700	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000554	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000033	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000374	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000098	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.003247	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205097
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-21.0	°C	
Pressure		713.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.016029	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000028	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000311	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000023	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.016208	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000940	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000019	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000232	µg/m <sup>3</sup>	V0
Iron	0.001585	0.012132	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000185	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000052	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.008561	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000466	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000048	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000306	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000113	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.066559	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000037	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.023241	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000033	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000732	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000036	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000697	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000109	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.005663	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211205111
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		738.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.011377	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000048	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000417	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000020	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.018568	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000710	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000028	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000874	µg/m <sup>3</sup>	V0
Iron	0.001585	0.011705	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000191	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000024	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.006702	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000280	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000089	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000326	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000169	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.068799	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000026	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.016233	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000012	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.025143	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000029	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001144	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.001243	µg/m <sup>3</sup>	V4
Titanium	0.000031	0.000830	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000159	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.007712	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211205119
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C	
Pressure		724.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.017826	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000137	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000153	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001193	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000018	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000050	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.016986	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000024	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000879	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000032	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001135	µg/m <sup>3</sup>	V0
Iron	0.001585	0.021228	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000296	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000079	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.010237	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000601	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000119	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000409	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000376	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000054	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.054538	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.016225	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000070	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.046854	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000021	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.036593	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000070	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002259	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000038	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000019	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000191	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001066	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000240	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000041	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.010466	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211205122
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		708.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010188	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000120	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000279	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000234	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000036	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000071	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.017854	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000653	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000031	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000246	µg/m <sup>3</sup>	V0
Iron	0.001585	0.008133	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000286	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000101	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.006506	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000304	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000484	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000253	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000565	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000073	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.028017	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.049981	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000164	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.067698	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000043	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.029965	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000068	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.004693	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000060	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000053	µg/m <sup>3</sup>	V4
Tin	0.000008	0.000060	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000585	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000360	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000037	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.007703	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205131
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		716.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.018455	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000043	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000046	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000303	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000024	µg/m <sup>3</sup>	V0
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000732	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000042	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000531	µg/m <sup>3</sup>	V0
Iron	0.001585	0.008683	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000179	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000037	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.007210	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000203	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000036	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000361	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000284	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.063941	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000037	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.022935	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.027967	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000038	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001609	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000029	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000032	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000593	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000166	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.005396	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00
		Set Index:	1
		WBEA ID:	211205154
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		735.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.023894	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000073	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000707	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000035	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.031557	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000021	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001130	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000056	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000935	µg/m <sup>3</sup>	V0
Iron	0.001585	0.031892	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000202	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000046	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.011707	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001950	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000152	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000530	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000264	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.052009	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.067937	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000206	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.033593	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.039746	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000113	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002222	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000304	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001262	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000163	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000499	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.011431	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 211205253
Start Date:	2021-12-10 11:00	End Date:	2021-12-10 11:01	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.008254	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000017	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000073	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000099	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.013517	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000465	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000025	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000060	µg/m <sup>3</sup>	V0
Iron	0.001585	0.003197	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000069	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000056	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002480	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000088	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000029	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000185	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000126	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.062602	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.001142	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000808	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000025	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000735	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000118	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.003739	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211205219
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C	
Pressure		696.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.007268	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000034	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000165	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000054	µg/m <sup>3</sup>	V0
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000574	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000016	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000469	µg/m <sup>3</sup>	V0
Iron	0.001585	0.007322	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000102	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.004244	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000215	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000045	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000229	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000102	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.047020	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.020371	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000069	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.022880	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000646	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000024	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000725	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000125	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000042	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.007265	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205225
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-7.5	°C	
Pressure		703.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.007621	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000045	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000278	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000052	µg/m <sup>3</sup>	V0
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000558	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000030	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000309	µg/m <sup>3</sup>	V0
Iron	0.001585	0.006508	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000108	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000018	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004583	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000257	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000065	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000239	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000104	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.040218	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.014766	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000060	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.028683	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000609	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000028	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000790	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000140	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000066	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.007981	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00
		Set Index:	1
		WBEA ID:	211205236
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		720.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.023655	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000031	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000173	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000019	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.020207	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000608	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000035	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000377	µg/m <sup>3</sup>	V0
Iron	0.001585	0.036375	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000112	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000063	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.013388	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000644	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000069	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000284	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000164	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.044288	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.003243	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000037	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.061006	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000014	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.037725	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000072	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000856	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000023	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000886	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000234	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000051	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.006588	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211205255
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C	
Pressure		710.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.016973	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.020680	µg/m <sup>3</sup>	V4
Arsenic	0.000005	0.000043	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000262	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000011	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000035	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.025894	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000898	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000038	µg/m <sup>3</sup>	V0
Copper	0.000027	0.006845	µg/m <sup>3</sup>	V4
Iron	0.001585	0.014124	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000208	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000047	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.008791	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000579	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000112	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000416	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000292	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000063	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.044443	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.019215	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000061	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.042864	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000037	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.036865	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000061	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002246	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000027	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000103	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001088	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001164	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000207	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.009339	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205262
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C	
Pressure		702.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010889	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000022	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000253	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000029	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.015940	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001037	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000025	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000497	µg/m <sup>3</sup>	V0
Iron	0.001585	0.018850	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000109	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000030	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.007885	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000361	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000076	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000322	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000103	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.062984	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.011421	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000042	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.036758	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000024	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000726	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000029	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000703	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000110	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000088	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.007941	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211205268
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C	
Pressure		725.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.024177	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000083	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001002	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.028059	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000015	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000647	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000024	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000537	µg/m <sup>3</sup>	V0
Iron	0.001585	0.023099	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000085	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000028	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.009949	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000662	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000061	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000323	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000111	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.059464	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000048	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.059676	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.027673	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000069	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000787	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000356	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001167	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000115	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000142	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.006460	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 211205328
Start Date:	2021-12-17 15:55	End Date:	2021-12-17 15:56	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.009343	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000173	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.014777	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000393	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000013	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000332	µg/m <sup>3</sup>	V0
Iron	0.001585	0.005157	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000035	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.002558	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000081	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000193	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000046	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.064429	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.007891	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000305	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000036	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000646	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000096	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.003769	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205281
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		715.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.016523	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000127	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000132	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000464	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000115	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.028288	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000454	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000060	µg/m <sup>3</sup>	V0
Copper	0.000027	0.003215	µg/m <sup>3</sup>	V0
Iron	0.001585	0.008681	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000188	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000376	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.010654	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000321	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000105	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000317	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000122	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000064	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.058584	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.070493	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000147	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.011533	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000031	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.054372	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000078	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000616	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000030	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000124	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000786	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000294	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000092	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.012041	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211205290
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-20.0	°C	
Pressure		706.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.017607	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000122	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000122	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000662	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000124	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.024638	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000579	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000026	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000609	µg/m <sup>3</sup>	V0
Iron	0.001585	0.011704	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000096	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000421	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000039	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.011606	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000384	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000062	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000247	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000188	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.065022	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.080960	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000189	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.026597	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000014	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.045290	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000073	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001172	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000075	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001149	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000170	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000068	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.013300	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211205302
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		722.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.032881	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000116	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000015	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000533	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000098	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.021518	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001117	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000039	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001154	µg/m <sup>3</sup>	V0
Iron	0.001585	0.024627	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000121	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000369	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.012109	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000829	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000092	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000430	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000058	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.051945	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.063212	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000137	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.052167	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000073	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000393	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000113	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000756	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000123	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000100	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.013577	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205308
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		733.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.060052	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000097	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000055	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000688	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000074	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.034387	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000056	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001176	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000061	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001449	µg/m <sup>3</sup>	V0
Iron	0.001585	0.035932	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000132	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000313	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000032	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.019805	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001144	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000143	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000029	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000407	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000099	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.062911	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.070404	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000197	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.093677	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000019	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.059885	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000168	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000582	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000091	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001826	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000199	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000325	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.008314	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205322
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-21.0	°C	
Pressure		712.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.023550	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000157	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000063	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000560	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000097	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.027356	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001118	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000042	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000693	µg/m <sup>3</sup>	V0
Iron	0.001585	0.016594	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000307	µg/m <sup>3</sup>	V4
Lead	0.000018	0.000376	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.015886	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000531	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000108	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000439	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000023	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.046689	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.058173	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000133	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.064408	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000103	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000128	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000126	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000804	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000103	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000220	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.013689	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211205330
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-22.0	°C	
Pressure		737.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.014964	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000155	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000017	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001219	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000058	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.019047	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000016	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001635	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000047	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001000	µg/m <sup>3</sup>	V0
Iron	0.001585	0.023958	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000094	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000216	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.013301	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000562	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000141	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000705	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000072	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.064862	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.041703	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000114	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000012	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.059792	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000099	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000479	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000149	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001019	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000145	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000092	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.010584	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 211205352
Start Date:	2021-12-21 11:30	End Date:	2021-12-21 11:31	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.008612	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000216	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.016001	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000583	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000020	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000212	µg/m <sup>3</sup>	V0
Iron	0.001585	0.004048	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000022	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.001501	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000075	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000241	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000059	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.049289	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.001825	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000461	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000095	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000406	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000099	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.003189	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211205337
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		718.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.013582	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000083	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000137	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.016922	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000619	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000023	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000506	µg/m <sup>3</sup>	V0
Iron	0.001585	0.010349	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000085	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.007474	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000192	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000036	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000298	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000047	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.053594	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.011405	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.026892	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000033	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000311	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000048	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000789	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000069	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000040	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003995	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211205345
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		733.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.090927	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000133	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.002038	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.124094	µg/m <sup>3</sup>	V4
Cerium	0.000013	0.000106	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001506	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000098	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000982	µg/m <sup>3</sup>	V0
Iron	0.001585	0.094173	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000040	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000125	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000062	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.035535	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002044	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000139	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000041	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000807	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000033	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.044131	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.009957	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000121	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.057511	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.057920	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000407	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000130	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000169	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003370	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000162	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000564	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.007824	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205356
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		708.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.011053	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000018	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000149	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.017498	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001169	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000033	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000603	µg/m <sup>3</sup>	V0
Iron	0.001585	0.010054	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000112	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.007073	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000247	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000054	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000497	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000067	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.047614	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.029518	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000021	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000520	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000051	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000679	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000117	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000101	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004125	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211205365
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		702.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006981	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000031	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000006	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000130	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000474	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000023	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001149	µg/m <sup>3</sup>	V0
Iron	0.001585	0.007105	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000145	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.005743	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000160	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000052	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000318	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000084	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.053973	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.011824	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.022093	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000708	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000038	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000439	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000100	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000254	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004284	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205369
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-20.0	°C	
Pressure		710.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.009354	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000046	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000172	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.026058	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000889	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000022	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000257	µg/m <sup>3</sup>	V0
Iron	0.001585	0.008009	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000088	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.008350	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000189	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000081	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000386	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000071	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.053419	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.019314	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.041249	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000034	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000541	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000065	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000795	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000068	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000494	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003396	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205377
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-27.0	°C	
Pressure		729.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.021767	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000063	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000062	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000132	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000017	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.014742	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000648	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000029	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000350	µg/m <sup>3</sup>	V0
Iron	0.001585	0.013773	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000068	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000024	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.008071	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000417	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000104	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000205	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000304	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000106	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.052577	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000021	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.051011	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000041	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.030383	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000047	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001976	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000031	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000064	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000994	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001401	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000059	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003868	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 211205475
Start Date:	2021-12-29 10:05	End Date:	2021-12-29 10:06	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.008372	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.015618	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001183	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000031	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000587	µg/m <sup>3</sup>	V0
Iron	0.001585	0.008312	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000043	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.002808	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000176	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000039	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000535	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000071	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.052391	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.003105	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000359	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000057	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002147	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000094	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.003878	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211205453
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-33.0	°C	
Pressure		722.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.069737	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000040	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000015	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000726	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000049	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.046654	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000110	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001483	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000300	µg/m <sup>3</sup>	V4
Copper	0.000027	0.000564	µg/m <sup>3</sup>	V0
Iron	0.001585	0.062731	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000226	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000033	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.084106	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.007010	µg/m <sup>3</sup>	V4
Molybdenum	0.000025	0.000122	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000421	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000089	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.050853	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.116550	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000220	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.105835	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000026	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.314537	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000449	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000465	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000078	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001555	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000148	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000454	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.011948	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211205459
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-32.0	°C	
Pressure		737.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.014957	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000110	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001345	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000056	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.045819	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000564	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000038	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001164	µg/m <sup>3</sup>	V0
Iron	0.001585	0.025080	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000101	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.050822	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001052	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000079	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000272	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000053	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.058527	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.034427	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000093	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.011511	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000014	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.225213	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000322	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000260	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000133	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001076	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000114	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000067	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.008620	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205467
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-30.0	°C	
Pressure		712.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.012836	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000042	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000021	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000194	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000013	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.033325	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000787	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000043	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000444	µg/m <sup>3</sup>	V0
Iron	0.001585	0.010054	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000164	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.088805	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000341	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000100	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000299	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000136	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.052591	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.018517	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000049	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.020963	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000020	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.411081	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000420	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000600	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000054	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000685	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000233	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000231	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005130	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Conklin	Loc ID:	CONK
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00
		Set Index:	1
		WBEA ID:	211205479
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-30.0	°C	
Pressure		705.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010674	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000075	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000007	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000164	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.029855	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000596	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000078	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000362	µg/m <sup>3</sup>	V0
Iron	0.001585	0.009985	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000126	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.082446	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000231	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000048	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000450	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000086	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.055510	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.017697	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000029	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.381417	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000358	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000504	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000059	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000585	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000105	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000134	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004510	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205486
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		713.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.007035	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000033	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000011	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000279	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.028214	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000464	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000053	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000425	µg/m <sup>3</sup>	V0
Iron	0.001585	0.006116	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000173	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000040	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.079238	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000127	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000063	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000329	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000232	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.063394	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.016594	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.359653	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000363	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001418	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000024	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000027	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000701	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000160	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000161	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004349	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100068
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-34.0	°C	
Pressure		733.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.042379	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000322	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000417	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.034147	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000037	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000721	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000056	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000485	µg/m <sup>3</sup>	V0
Iron	0.001585	0.022168	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000236	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000030	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.065045	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000680	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000103	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000269	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000071	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.055382	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.005075	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000040	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.080417	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.279523	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000346	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000397	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000215	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002385	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000077	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000098	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004612	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100028
Start Date:	2021-01-03 12:30	End Date:	2021-01-03 12:31	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.0036	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0002	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0009	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0012	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0239	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100002
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C	
Pressure		704.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0124	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0017	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0019	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0164	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0124	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0541	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.1782	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4019	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210100015
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

---

### Notes

Warning alarm on Partisol of Temp Diff (R1) during sample collection: Valid= 23:05; Total=24:00

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		727.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2060	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0776	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0105	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.1071	µg/m <sup>3</sup>	V4
Sodium Ion	0.0006	0.0797	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0016	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.9081	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	2.0497	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.7740	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100023
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-7.1	°C	
Pressure		700.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0061	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0223	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0025	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0167	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0214	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0029	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0529	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5313	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1555	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Patricia McInnes**  
Start Date: **2021-01-04 00:00**

Samp Use: **Exposure**  
Loc ID: **PATM**  
End Date: **2021-01-05 00:00**

Set Index: **1**  
WBEA ID: **210100032**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		-14.0	°C	
Pressure		717.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0481	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0043	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0053	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0318	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0405	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0013	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.0927	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	2.4499	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	1.0756	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100041
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		726.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0651	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0034	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0058	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0136	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0166	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.4279	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.2820	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4939	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Ells River  
Start Date: 2021-01-04 00:00

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-01-05 00:00

Set Index: 1  
WBEA ID: 210100050  
Duration: 24.0 hr

---

### Notes

Particulate Matter too low. Reason unknown.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		721.8	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Calcium Ion	0.0021	-9999	µg/m <sup>3</sup>	M2
Chloride Ion	0.0014	-9999	µg/m <sup>3</sup>	M2
Magnesium Ion	0.00005	-9999	µg/m <sup>3</sup>	M2
Potassium Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Sodium Ion	0.0006	-9999	µg/m <sup>3</sup>	M2
Fluoride Ion	0.00001	-9999	µg/m <sup>3</sup>	M2
Nitrate Ion	0.0002	-9999	µg/m <sup>3</sup>	M2
Sulphate Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Phosphate Ion	0.0018	-9999	µg/m <sup>3</sup>	M2
Ammonium Ion	0.00004	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-01-04 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-01-05 00:00

Set Index: 1  
WBEA ID: 210100053  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		726.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0358	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0026	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0036	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0087	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0118	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.3139	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.1203	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4202	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210100057
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.0	°C	
Pressure		707.5	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	4.108	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0044	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0057	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0014	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0146	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0174	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0627	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9085	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3139	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210100110
Start Date:	2021-01-07 15:05	End Date:	2021-01-07 15:06	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.0016	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0002	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0010	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100067
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.1	°C	
Pressure		710.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0162	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0222	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0035	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0223	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0431	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0042	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1841	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1901	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0362	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100074
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.1	°C	
Pressure		730.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	15.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0597	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0346	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0074	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0982	µg/m <sup>3</sup>	V4
Sodium Ion	0.0006	0.0562	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0061	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.1737	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.0752	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.6136	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-01-10 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-01-11 00:00

Set Index: 1  
WBEA ID: 210100079  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.9	°C	
Pressure		730.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0237	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0125	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0031	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0284	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0360	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0014	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.6710	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4697	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2737	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210100082
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

---

### Notes

Particulate Matter too low. Reason unknown.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.4	°C	
Pressure		725.9	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Calcium Ion	0.0021	-9999	µg/m <sup>3</sup>	M2
Chloride Ion	0.0014	-9999	µg/m <sup>3</sup>	M2
Magnesium Ion	0.00005	-9999	µg/m <sup>3</sup>	M2
Potassium Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Sodium Ion	0.0006	-9999	µg/m <sup>3</sup>	M2
Fluoride Ion	0.00001	-9999	µg/m <sup>3</sup>	M2
Nitrate Ion	0.0002	-9999	µg/m <sup>3</sup>	M2
Sulphate Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Phosphate Ion	0.0018	-9999	µg/m <sup>3</sup>	M2
Ammonium Ion	0.00004	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Patricia McInnes  
Start Date: 2021-01-10 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-01-11 00:00

Set Index: 1  
WBEA ID: 210100087  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.8	°C	
Pressure		722.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0283	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0907	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0041	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0597	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0674	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0066	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.8245	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2501	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2359	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210100092
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 22:24.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C	
Pressure		731.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0172	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0951	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0031	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0362	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0901	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0043	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.6976	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1918	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1731	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100100
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.4	°C	
Pressure		706.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	15.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0440	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0141	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0064	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0408	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0370	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0059	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	4.7798	µg/m <sup>3</sup>	V4
Sulphate Ion	0.0001	0.5586	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	1.4709	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210100116
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.5	°C	
Pressure		713.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0316	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0086	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0036	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0350	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0310	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0018	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	3.0829	µg/m <sup>3</sup>	V4
Sulphate Ion	0.0001	0.4028	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.9399	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100137
Start Date:	2021-01-11 14:40	End Date:	2021-01-11 14:41	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0002	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0010	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100128
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.6	°C	
Pressure		706.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0054	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0550	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0014	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0025	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0286	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0162	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.0365	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0001	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210100135
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.7	°C	
Pressure		713.5	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	2.033	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0066	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0336	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0013	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0069	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0214	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0274	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1700	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0252	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100147
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.9	°C	
Pressure		731.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0491	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0042	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0032	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0051	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0130	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0753	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2914	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0649	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210100152
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

---

### Notes

Particulate Matter too low. Reason unknown.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.2	°C	
Pressure		727.8	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Calcium Ion	0.0021	-9999	µg/m <sup>3</sup>	M2
Chloride Ion	0.0014	-9999	µg/m <sup>3</sup>	M2
Magnesium Ion	0.00005	-9999	µg/m <sup>3</sup>	M2
Potassium Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Sodium Ion	0.0006	-9999	µg/m <sup>3</sup>	M2
Fluoride Ion	0.00001	-9999	µg/m <sup>3</sup>	M2
Nitrate Ion	0.0002	-9999	µg/m <sup>3</sup>	M2
Sulphate Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Phosphate Ion	0.0018	-9999	µg/m <sup>3</sup>	M2
Ammonium Ion	0.00004	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-01-16 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-01-17 00:00

Set Index: 1  
WBEA ID: 210100155  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.7	°C	
Pressure		731.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0425	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0078	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0030	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0089	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0147	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0675	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3233	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0760	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100158
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.5	°C	
Pressure		710.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0132	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0034	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0014	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0071	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0059	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0169	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2573	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0516	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210100166
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had a temp diff status code. Total sampling time = 24:00, Valid sampling time = 23:35.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.3	°C	
Pressure		732.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5033	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1889	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0078	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0553	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1226	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.5950	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4016	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0809	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210100171
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.1	°C	
Pressure		722.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.583	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2687	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0500	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0065	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0243	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0427	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0029	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.6505	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4839	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1991	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210100247
Start Date:	2021-01-20 15:00	End Date:	2021-01-20 15:01	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0021	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0021	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0003	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0003	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0010	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0021	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0089	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Ells River  
Start Date: 2021-01-22 00:00

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-01-23 00:00

Set Index: 1  
WBEA ID: 210100184  
Duration: 24.0 hr

---

### Notes

Particulate Matter too low. Reason unknown.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		732.2	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Calcium Ion	0.0021	-9999	µg/m <sup>3</sup>	M2
Chloride Ion	0.0014	-9999	µg/m <sup>3</sup>	M2
Magnesium Ion	0.00005	-9999	µg/m <sup>3</sup>	M2
Potassium Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Sodium Ion	0.0006	-9999	µg/m <sup>3</sup>	M2
Fluoride Ion	0.00001	-9999	µg/m <sup>3</sup>	M2
Nitrate Ion	0.0002	-9999	µg/m <sup>3</sup>	M2
Sulphate Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Phosphate Ion	0.0018	-9999	µg/m <sup>3</sup>	M2
Ammonium Ion	0.00004	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210100187
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		732.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1113	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1555	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0151	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0043	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0941	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1966	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1197	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0061	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100192
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		736.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1015	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1527	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0155	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0030	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0979	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0015	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2398	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1281	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0058	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100204
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C	
Pressure		709.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0147	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0321	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0039	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0065	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0319	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0010	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0823	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3395	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0776	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210100208
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C	
Pressure		716.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0134	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0331	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0047	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0031	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0423	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0020	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1100	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8958	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2843	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210100232
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

---

### Notes

Warning messages of Temp Diff (R1) Sample Period (P): Valid=15:15, Total= 24:00.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C	
Pressure		737.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.583	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4143	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1355	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0111	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0181	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1034	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0054	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.5513	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1890	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0184	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100241
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		714.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0306	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0343	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0069	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0037	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0616	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0024	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2337	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3355	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0730	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210100249
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C	
Pressure		728.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3592	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1213	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0125	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0337	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0958	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0031	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.1123	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2812	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1376	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210100304
Start Date:	2021-01-27 12:00	End Date:	2021-01-27 12:01	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0022	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0014	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0002	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0009	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100261
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

---

### Notes

Low sample volume due to flow and sample period status codes. Total sampling time = 24:00, Valid sampling time = 00:19.  
Failing pump will be replaced.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		738.0	mmHg	
Sample Volume		22.3	m <sup>3</sup>	V6
Particulate Matter	0.042	14.126	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3550	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0360	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0106	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0059	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0400	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0033	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.5013	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.8843	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.6205	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Ells River  
Start Date: 2021-01-28 00:00

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-01-29 00:00

Set Index: 1  
WBEA ID: 210100267  
Duration: 24.0 hr

---

### Notes

Particulate Matter too low. Reason unknown.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C	
Pressure		733.3	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Calcium Ion	0.0021	-9999	µg/m <sup>3</sup>	M2
Chloride Ion	0.0014	-9999	µg/m <sup>3</sup>	M2
Magnesium Ion	0.00005	-9999	µg/m <sup>3</sup>	M2
Potassium Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Sodium Ion	0.0006	-9999	µg/m <sup>3</sup>	M2
Fluoride Ion	0.00001	-9999	µg/m <sup>3</sup>	M2
Nitrate Ion	0.0002	-9999	µg/m <sup>3</sup>	M2
Sulphate Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Phosphate Ion	0.0018	-9999	µg/m <sup>3</sup>	M2
Ammonium Ion	0.00004	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-01-28 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-01-29 00:00

Set Index: 1  
WBEA ID: 210100270  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		738.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2206	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0307	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0125	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0032	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0400	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0001	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.4220	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.8514	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.6022	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100277
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		715.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0375	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0043	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0031	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0125	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0141	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0045	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2930	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6179	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2376	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100284
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C	
Pressure		710.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0167	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0044	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0026	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0166	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0196	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.3688	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7916	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3291	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210100289
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 16:15.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		739.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1053	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0464	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0085	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0170	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0690	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.5708	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.5694	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.5709	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210100297
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		718.5	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	2.988	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0091	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0149	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0021	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0102	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0250	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0007	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2529	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5408	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1963	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210100309
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		729.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0516	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0482	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0053	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0092	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0569	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0003	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.0129	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.0155	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.5812	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100341
Start Date:	2021-01-29 11:45	End Date:	2021-01-29 11:46	Duration:	0.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0026	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0032	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0007	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0003	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0011	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100345
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		715.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1567	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0046	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0046	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0034	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0128	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0017	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2028	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.5818	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4615	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210100353
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

---

### Notes

Warning signal of Temp Diff (R1) and Sample Period (P) in partisol. Valid=21:01, Total= 24:00

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		738.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.9899	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0281	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0104	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0237	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0358	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0040	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.5828	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.8497	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.5736	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Patricia McInnes**  
Start Date: **2021-02-03 00:00**

Samp Use: **Exposure**  
Loc ID: **PATM**  
End Date: **2021-02-04 00:00**

Set Index: **1**  
WBEA ID: **210100358**  
Duration: **24.0 hr**

---

### Notes

None

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### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		-18.0	°C	
Pressure		729.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2920	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0322	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0069	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0132	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0527	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0024	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.6531	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.8482	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.6579	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200367
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		737.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1116	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0060	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0059	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0014	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0185	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0015	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0964	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4715	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1048	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210200374
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

---

### Notes

Total PM appears blank compared to other samplers. Reason unknown.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C	
Pressure		733.1	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Calcium Ion	0.0021	-9999	µg/m <sup>3</sup>	M2
Chloride Ion	0.0014	-9999	µg/m <sup>3</sup>	M2
Magnesium Ion	0.00005	-9999	µg/m <sup>3</sup>	M2
Potassium Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Sodium Ion	0.0006	-9999	µg/m <sup>3</sup>	M2
Fluoride Ion	0.00001	-9999	µg/m <sup>3</sup>	M2
Nitrate Ion	0.0002	-9999	µg/m <sup>3</sup>	M2
Sulphate Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Phosphate Ion	0.0018	-9999	µg/m <sup>3</sup>	M2
Ammonium Ion	0.00004	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210200377
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		738.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1353	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0110	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0096	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0035	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0246	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1179	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5511	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1187	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200388
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		710.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0200	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0024	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0013	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0064	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0086	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0025	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0380	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.4343	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4515	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200393
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		717.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0547	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0035	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0021	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0094	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0133	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0034	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1054	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.2276	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3850	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200415
Start Date:	2021-02-05 11:52	End Date:	2021-02-05 11:53	Duration:	0.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0077	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0020	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0010	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0015	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0012	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Patricia McInnes  
Start Date: 2021-02-09 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-02-10 00:00

Set Index: 1  
WBEA ID: 210200404  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		736.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0872	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.7131	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0406	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0149	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.3636	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1979	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3540	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0361	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200410
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-27.0	°C	
Pressure		715.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0348	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.4811	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0199	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0101	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2333	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0039	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1596	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3236	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0323	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200424
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		723.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0231	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.4484	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0175	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0063	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2214	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0023	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1393	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2825	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0322	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210200429
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		745.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0878	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.6926	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0343	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0152	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.3299	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2060	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3317	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0248	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Ells River  
Start Date: 2021-02-09 00:00

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-02-10 00:00

Set Index: 1  
WBEA ID: 210200433  
Duration: 24.0 hr

---

### Notes

Total PM appears blank compared to other samplers. Reason unknown.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-22.0	°C	
Pressure		739.5	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Calcium Ion	0.0021	-9999	µg/m <sup>3</sup>	M2
Chloride Ion	0.0014	-9999	µg/m <sup>3</sup>	M2
Magnesium Ion	0.00005	-9999	µg/m <sup>3</sup>	M2
Potassium Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Sodium Ion	0.0006	-9999	µg/m <sup>3</sup>	M2
Fluoride Ion	0.00001	-9999	µg/m <sup>3</sup>	M2
Nitrate Ion	0.0002	-9999	µg/m <sup>3</sup>	M2
Sulphate Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Phosphate Ion	0.0018	-9999	µg/m <sup>3</sup>	M2
Ammonium Ion	0.00004	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200440
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		744.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.583	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0663	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.7152	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0446	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0150	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.3515	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0030	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2149	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3267	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0261	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210200447
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		720.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0623	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.6155	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0316	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0096	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.3157	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1955	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3649	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0352	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Athabasca Valley  
Start Date: 2021-02-09 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-02-10 00:00

Set Index: 1  
WBEA ID: 210200452  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C	
Pressure		745.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2053	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.9432	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0398	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0170	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.4727	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0044	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2236	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3936	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0397	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200479
Start Date:	2021-02-10 13:42	End Date:	2021-02-10 13:43	Duration:	0.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0397	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0019	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0004	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0012	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210200459
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		712.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0187	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0072	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0047	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0300	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0385	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0027	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2458	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5592	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1348	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200467
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		708.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0073	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0165	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0025	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0131	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0509	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0043	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2401	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4528	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1222	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Athabasca Valley  
Start Date: 2021-02-15 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-02-16 00:00

Set Index: 1  
WBEA ID: 210200473  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		734.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0291	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.5005	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0061	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0385	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.3629	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0036	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.5281	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5459	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1490	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200486
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		723.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0233	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0154	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0035	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0040	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0467	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1747	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4145	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1079	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210200492
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		725.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.583	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0225	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1077	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0043	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0177	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1310	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0028	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.4964	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5524	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1776	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200498
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		733.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	33.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.4282	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1790	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0196	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0162	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1735	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.7449	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.1923	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3230	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210200506
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

---

### Notes

Total PM appears blank compared to other samplers. Reason unknown.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		729.1	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Calcium Ion	0.0021	-9999	µg/m <sup>3</sup>	M2
Chloride Ion	0.0014	-9999	µg/m <sup>3</sup>	M2
Magnesium Ion	0.00005	-9999	µg/m <sup>3</sup>	M2
Potassium Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Sodium Ion	0.0006	-9999	µg/m <sup>3</sup>	M2
Fluoride Ion	0.00001	-9999	µg/m <sup>3</sup>	M2
Nitrate Ion	0.0002	-9999	µg/m <sup>3</sup>	M2
Sulphate Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Phosphate Ion	0.0018	-9999	µg/m <sup>3</sup>	M2
Ammonium Ion	0.00004	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-02-15 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-02-16 00:00

Set Index: 1  
WBEA ID: 210200509  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-20.0	°C	
Pressure		734.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3750	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2243	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0087	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0120	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1763	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0041	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.4320	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7492	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1787	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200520
Start Date:	2021-02-16 14:10	End Date:	2021-02-16 14:11	Duration:	0.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0033	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0021	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0003	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0010	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200526
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.3	°C	
Pressure		712.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0217	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0057	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0018	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0111	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0120	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0024	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1554	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4997	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1429	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210200529
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

---

### Notes

Total PM appears blank compared to other samplers. Reason unknown.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.5	°C	
Pressure		709.8	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Calcium Ion	0.0021	-9999	µg/m <sup>3</sup>	M2
Chloride Ion	0.0014	-9999	µg/m <sup>3</sup>	M2
Magnesium Ion	0.00005	-9999	µg/m <sup>3</sup>	M2
Potassium Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Sodium Ion	0.0006	-9999	µg/m <sup>3</sup>	M2
Fluoride Ion	0.00001	-9999	µg/m <sup>3</sup>	M2
Nitrate Ion	0.0002	-9999	µg/m <sup>3</sup>	M2
Sulphate Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Phosphate Ion	0.0018	-9999	µg/m <sup>3</sup>	M2
Ammonium Ion	0.00004	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210200532
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.4	°C	
Pressure		712.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0160	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0096	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0015	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0060	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0074	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0030	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0334	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3316	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0653	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200539
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.4	°C	
Pressure		690.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0141	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0131	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0021	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0013	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0092	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0010	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0055	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.0904	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0003	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200545
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

---

### Notes

Short sample duration and low sample volume due to power failure.

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.9	°C	
Pressure		696.9	mmHg	
Sample Volume		23.9	m <sup>3</sup>	V6
Particulate Matter	0.042	1.339	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0127	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0173	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0011	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0008	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0097	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0004	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0042	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.0695	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0002	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210200554
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.2	°C	
Pressure		694.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0047	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0179	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0008	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0010	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0066	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.0798	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0004	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Patricia McInnes  
Start Date: 2021-02-21 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-02-22 00:00

Set Index: 1  
WBEA ID: 210200576  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.0	°C	
Pressure		704.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0070	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0402	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0006	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0016	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0170	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0041	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0033	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.0674	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0002	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Athabasca Valley  
Start Date: 2021-02-21 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-02-22 00:00

Set Index: 1  
WBEA ID: 210200582  
Duration: 24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.3	°C	
Pressure		713.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0299	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	1.3516	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0027	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0085	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.7347	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0282	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.0897	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0003	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210200619
Start Date:	2021-02-24 15:50	End Date:	2021-02-24 15:51	Duration:	0.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0179	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0020	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0006	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0011	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200562
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-20.0	°C	
Pressure		737.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	22.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3129	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1522	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0322	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0173	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1351	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0014	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.4799	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.0780	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2630	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210200570
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

---

### Notes

Total PM appears blank compared to other samplers. Reason unknown.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-21.0	°C	
Pressure		731.0	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Calcium Ion	0.0021	-9999	µg/m <sup>3</sup>	M2
Chloride Ion	0.0014	-9999	µg/m <sup>3</sup>	M2
Magnesium Ion	0.00005	-9999	µg/m <sup>3</sup>	M2
Potassium Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Sodium Ion	0.0006	-9999	µg/m <sup>3</sup>	M2
Fluoride Ion	0.00001	-9999	µg/m <sup>3</sup>	M2
Nitrate Ion	0.0002	-9999	µg/m <sup>3</sup>	M2
Sulphate Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Phosphate Ion	0.0018	-9999	µg/m <sup>3</sup>	M2
Ammonium Ion	0.00004	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-02-27 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-02-28 00:00

Set Index: 1  
WBEA ID: 210200573  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-21.0	°C	
Pressure		735.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1261	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1245	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0186	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0145	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1154	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.3184	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9074	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2335	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210200588
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		713.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0910	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0859	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0090	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0110	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0974	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0049	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2725	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6219	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1598	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200594
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		715.6	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	2.324	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0117	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0585	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0053	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0029	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0675	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0013	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1685	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3078	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0457	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210200600
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 21:29.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		735.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	18.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.6880	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.9531	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0221	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0277	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.6413	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0021	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.8580	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.5210	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4263	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200610
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		708.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0243	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0396	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0046	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0034	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0511	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0010	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1340	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3029	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0482	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210200623
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		726.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	14.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5719	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1583	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0209	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0252	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1843	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.8440	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.5523	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4201	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210300660
Start Date:	2021-03-01 13:40	End Date:	2021-03-01 13:41	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0034	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0002	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0002	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0008	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210300653
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.4	°C	
Pressure		712.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0609	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0050	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0076	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0515	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0238	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0048	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.9180	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.6893	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.6880	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210300667
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had a temp diff status code. Total sampling time = 24:00, Valid sampling time = 23:47.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.0	°C	
Pressure		732.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1478	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2391	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0104	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0298	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2356	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0026	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.0932	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.8222	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.7201	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210300672
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

---

### Notes

Field Flag: 'V', Invalid sample (Void).  
Field Flag: 'M', Sampler malfunction.  
Sampler was in error mode upon collection of the sample, with stop flow and sample period status codes. Replaced pump to repair unit.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.7	°C	
Pressure		728.6	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210300683
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had a temp diff status code. Total sampling time = 24:00, Valid sampling time = 23:59.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.8	°C	
Pressure		714.6	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	7.261	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0905	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0354	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0049	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0295	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0612	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0052	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.4955	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.2746	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4353	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210300695
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.2	°C	
Pressure		707.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0452	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0093	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0072	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0212	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0402	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.7366	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.3121	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4922	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300705
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.2	°C	
Pressure		732.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2313	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0156	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0154	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0165	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0426	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0031	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.6526	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.7520	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.6044	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-03-05 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-03-06 00:00

Set Index: 1  
WBEA ID: 210300714  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.5	°C	
Pressure		731.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2311	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0254	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0098	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0229	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0496	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0016	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.5702	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.7865	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.6171	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Ells River  
Start Date: 2021-03-05 00:00

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-03-06 00:00

Set Index: 1  
WBEA ID: 210300716  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.6	°C	
Pressure		728.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1064	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0330	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0093	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0211	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0581	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.5461	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	2.4515	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.8723	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210300722
Start Date:	2021-03-08 14:25	End Date:	2021-03-08 14:26	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0060	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0014	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0003	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0009	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0004	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210300726
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.5	°C	
Pressure		713.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.583	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0188	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0432	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0029	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0031	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0553	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0018	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2900	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5776	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1250	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210300732
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had a temp diff status code. Total sampling time = 24:00, Valid sampling time = 23:30.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.4	°C	
Pressure		734.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1008	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	1.9072	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0102	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0116	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	1.2053	µg/m <sup>3</sup>	V4
Fluoride Ion	0.00001	0.0026	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.4333	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6099	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1133	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Patricia McInnes**  
Start Date: **2021-03-11 00:00**

Samp Use: **Exposure**  
Loc ID: **PATM**  
End Date: **2021-03-12 00:00**

Set Index: **1**  
WBEA ID: **210300743**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		-8.2	°C	
Pressure		725.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0602	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.9496	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0059	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0093	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.5890	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0022	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3094	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5747	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1012	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210300746
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C	
Pressure		733.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1497	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.3337	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0090	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0063	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2620	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0022	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3937	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.6868	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4960	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Ells River  
Start Date: 2021-03-11 00:00

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-03-12 00:00

Set Index: 1  
WBEA ID: 210300749  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C	
Pressure		729.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	22.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2957	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1025	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0168	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0050	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1151	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0015	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3955	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7688	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1404	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300754
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C	
Pressure		734.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	18.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3643	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.4023	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0127	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0103	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.3331	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0011	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.5632	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	2.0784	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.6369	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210300766
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.3	°C	
Pressure		706.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0784	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1284	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0056	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0089	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1418	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0003	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.5064	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6776	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1728	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210300775
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.6	°C	
Pressure		716.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0859	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	1.1198	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0073	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0041	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.7301	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0019	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3698	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6801	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1446	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210300828
Start Date:	2021-03-16 11:03	End Date:	2021-03-16 11:04	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0069	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0014	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0003	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0010	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0009	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0019	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Athabasca Valley  
Start Date: 2021-03-17 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-03-18 00:00

Set Index: 1  
WBEA ID: 210300782  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.4	°C	
Pressure		734.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	26.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.8007	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	1.2403	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0173	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0427	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	2.2029	µg/m <sup>3</sup>	V4
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1300	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2695	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1316	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210300788
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.6	°C	
Pressure		714.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0897	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0151	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0054	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0037	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0249	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0013	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2376	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6879	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1441	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210300797
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.3	°C	
Pressure		724.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3393	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.7978	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0120	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0151	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.4590	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0012	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2568	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7380	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1325	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210300803
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.0	°C	
Pressure		730.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0855	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0275	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0039	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0017	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0228	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0022	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1693	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6788	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1485	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-03-17 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-03-18 00:00

Set Index: 1  
WBEA ID: 210300806  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.6	°C	
Pressure		732.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	18.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2141	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0461	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0157	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0061	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0574	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0026	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2858	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8275	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1827	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300813
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.9	°C	
Pressure		734.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	21.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5212	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2370	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0104	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0246	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1824	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0031	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3910	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.2631	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2982	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210300832
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.5	°C	
Pressure		707.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2221	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.3450	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0154	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0067	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2310	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0031	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3899	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6979	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1336	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210300840
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.6	°C	
Pressure		716.9	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	7.386	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1743	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.4167	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0191	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0039	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2573	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0028	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2780	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7794	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1753	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210300922
Start Date:	2021-03-22 12:05	End Date:	2021-03-22 12:06	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0033	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0005	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0008	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0010	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210300866
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		719.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1186	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1093	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0193	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0013	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1231	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0030	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3441	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8125	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1331	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-03-23 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-03-24 00:00**

Set Index: **1**  
WBEA ID: **210300873**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		-8.0	°C	
Pressure		740.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	25.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.6474	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	1.4485	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0350	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0320	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	1.7235	µg/m <sup>3</sup>	V4
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2201	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4544	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0908	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210300881
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		732.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	17.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.5120	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	1.4044	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0313	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0118	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.8591	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0023	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.4673	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9234	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1113	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210300889
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		711.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3421	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2987	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0275	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0066	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2264	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0013	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.4349	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8480	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1537	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210300926
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.5	°C	
Pressure		721.9	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	6.681	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1001	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1953	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0163	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0070	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1807	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0020	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3547	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7583	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1343	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Ells River  
Start Date: 2021-03-23 00:00

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-03-24 00:00

Set Index: 1  
WBEA ID: 210300931  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		737.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	42.583	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.8939	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.4716	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0494	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0063	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.3390	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0012	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.5022	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.4987	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2491	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210300934
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C	
Pressure		740.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	53.875	µg/m <sup>3</sup>	V4
Calcium Ion	0.0021	2.0613	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.5801	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0538	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0131	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.4033	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0035	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.5189	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.4414	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2227	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300940
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		741.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	81.125	µg/m <sup>3</sup>	V4
Calcium Ion	0.0021	2.1195	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.7442	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0663	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0170	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.4993	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.6463	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.5029	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2068	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210301024
Start Date:	2021-03-26 10:45	End Date:	2021-03-26 16:46	Duration:	6.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0432	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0005	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0008	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Athabasca Valley  
Start Date: 2021-03-29 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-03-30 00:00

Set Index: 1  
WBEA ID: 210300989  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.4	°C	
Pressure		732.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	27.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.1505	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.3336	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0181	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0080	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2458	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0017	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3475	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.1570	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2101	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210300997
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

---

### Notes

Long sample duration and high sample volume a result of power outage at site.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.4	°C	
Pressure		724.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	21.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5896	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1204	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0111	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0066	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1201	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.3505	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.3276	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2874	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210301003
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.2	°C	
Pressure		712.1	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	9.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3252	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0199	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0099	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0024	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0523	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2778	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.2164	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2591	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210301009
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had sample period status code. Long sample duration and high sample volume a result of power outage at site.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		711.2	mmHg	
Sample Volume		25.4	m <sup>3</sup>	V6
Particulate Matter	0.042	16.181	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4481	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0256	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0081	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0021	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0603	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0029	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2691	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9395	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1776	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210301016
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.4	°C	
Pressure		702.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0715	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0082	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0048	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0024	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0343	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0025	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1727	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8444	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1593	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210301028
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C	
Pressure		733.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	20.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.6015	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0430	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0118	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0021	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0585	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2511	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7443	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1002	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210301042
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.3	°C	
Pressure		728.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1510	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0395	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0122	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0035	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0596	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0021	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2463	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7099	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1314	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-03-29 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-03-30 00:00

Set Index: 1  
WBEA ID: 210301045  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.8	°C	
Pressure		732.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	16.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3712	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0543	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0113	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0058	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0670	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2406	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6956	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0995	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401127
Start Date:	2021-04-01 14:30	End Date:	2021-04-01 14:31	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0237	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0025	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0002	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0009	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0012	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210301079
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.2	°C	
Pressure		732.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	31.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.4178	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1605	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0091	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0201	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1538	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0013	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.4258	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.5428	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4320	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210301088
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.3	°C	
Pressure		728.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	44.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4727	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0429	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0149	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0261	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1142	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0021	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.4035	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.2604	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3584	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210301090
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.0	°C	
Pressure		730.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	25.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.8088	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1006	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0069	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0168	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1081	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0037	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3201	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.7853	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.5168	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210301098
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.8	°C	
Pressure		703.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0260	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0075	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0182	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0031	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0107	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0007	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1448	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8757	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2457	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210301104
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.2	°C	
Pressure		713.3	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	3.817	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0473	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0079	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0064	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0103	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0125	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0002	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1636	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7028	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1785	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401108
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.9	°C	
Pressure		711.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0750	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0400	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0024	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0048	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0093	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1199	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6960	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1825	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Athabasca Valley  
Start Date: 2021-04-04 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-04-05 00:00

Set Index: 1  
WBEA ID: 210401118  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.0	°C	
Pressure		732.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	17.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.6655	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	1.0986	µg/m <sup>3</sup>	V4
Magnesium Ion	0.00005	0.0319	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0165	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.6703	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0061	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3235	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7850	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1557	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401123
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.2	°C	
Pressure		722.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	19.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.6539	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.8156	µg/m <sup>3</sup>	V4
Magnesium Ion	0.00005	0.0207	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0488	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.4770	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0056	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.4334	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8814	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2130	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210401177
Start Date:	2021-04-08 11:15	End Date:	2021-04-08 11:16	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.0035	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0003	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0006	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0017	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0023	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401139
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.8	°C	
Pressure		733.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	14.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1881	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0841	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0071	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0161	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0943	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2542	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6488	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1155	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Ells River  
Start Date: 2021-04-10 00:00

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-04-11 00:00

Set Index: 1  
WBEA ID: 210401150  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.3	°C	
Pressure		729.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1958	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0863	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0014	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0139	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0912	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2304	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6108	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0999	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210401153
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.5	°C	
Pressure		732.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	20.583	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3259	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1093	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0014	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0241	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1102	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2814	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7098	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1058	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401158
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.0	°C	
Pressure		712.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0923	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0171	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0011	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0118	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0334	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0034	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1520	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5934	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1234	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401164
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.6	°C	
Pressure		702.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2147	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0579	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0045	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0289	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0553	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0049	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1735	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7576	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1723	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401173
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.5	°C	
Pressure		723.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	19.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.7279	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1214	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0212	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0170	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1264	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0043	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3282	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7563	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1306	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210401181
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.5	°C	
Pressure		732.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	17.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5328	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2558	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0068	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0202	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2087	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0017	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3214	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6893	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1188	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401190
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.8	°C	
Pressure		711.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0453	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0425	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0157	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0075	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0585	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0038	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2135	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5976	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1051	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401201
Start Date:	2021-04-12 12:05	End Date:	2021-04-12 12:06	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0169	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0032	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0006	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0012	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401195
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.8	°C	
Pressure		732.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	33.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.5970	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2900	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0186	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0302	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2575	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0030	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2546	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.0437	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1786	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401207
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.4	°C	
Pressure		722.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2553	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0319	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0016	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0129	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0234	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0013	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1230	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5697	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1217	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Athabasca Valley  
Start Date: 2021-04-16 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-04-17 00:00

Set Index: 1  
WBEA ID: 210401215  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.6	°C	
Pressure		742.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	30.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.4287	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2967	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0147	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0229	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2874	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0003	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2353	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.0567	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1906	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Ells River  
Start Date: 2021-04-16 00:00

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-04-17 00:00

Set Index: 1  
WBEA ID: 210401219  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.8	°C	
Pressure		739.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	32.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4645	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0304	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0089	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0246	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0875	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2253	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7521	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1561	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-04-16 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-04-17 00:00

Set Index: 1  
WBEA ID: 210401222  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.5	°C	
Pressure		740.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	44.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.2837	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0815	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0135	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0310	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1263	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.3260	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.1830	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2565	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401226
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.8	°C	
Pressure		742.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	43.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.5008	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0750	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0163	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0316	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1278	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0007	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3432	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.2599	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3209	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401244
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.6	°C	
Pressure		713.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2089	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0566	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0019	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0224	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0319	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0001	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1283	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4083	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0416	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401251
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

---

### Notes

Black speck found on filter upon collection of the sample. Unsure as to what it is.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.2	°C	
Pressure		723.5	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	11.079	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2553	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0468	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0035	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0246	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0300	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1373	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5279	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0959	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401816
Start Date:	2021-04-21 12:20	End Date:	2021-04-21 12:21	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0022	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0026	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0005	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0006	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0014	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401768
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.0	°C	
Pressure		717.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0895	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0756	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0181	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0084	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0656	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1881	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5504	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0604	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-04-22 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-04-23 00:00**

Set Index: **1**  
WBEA ID: **210401775**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		-1.3	°C	
Pressure		738.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2451	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1874	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0034	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0156	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1439	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2100	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7074	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0993	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401781
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.3	°C	
Pressure		729.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1103	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0629	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0013	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0119	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0673	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2007	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5926	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0741	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401798
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.7	°C	
Pressure		738.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1821	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0649	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0020	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0081	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0645	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0016	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1392	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4978	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0684	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210401805
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.5	°C	
Pressure		734.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0958	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0666	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0040	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0105	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0796	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0017	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1585	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5442	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0653	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210401808
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.4	°C	
Pressure		737.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0761	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0774	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0016	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0084	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0647	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0019	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1403	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4784	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0588	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401820
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.5	°C	
Pressure		709.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0712	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0348	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0018	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0081	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0462	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1513	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6051	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0668	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401828
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.4	°C	
Pressure		719.2	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	5.394	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0805	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0470	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0014	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0085	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0518	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1743	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5783	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0832	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401883
Start Date:	2021-04-27 14:25	End Date:	2021-04-27 14:26	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0361	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0030	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0002	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0015	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0012	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0007	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401831
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.5	°C	
Pressure		716.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1785	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0878	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0199	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0203	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1129	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2025	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6656	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0861	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210401840
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.2	°C	
Pressure		737.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2523	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2201	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0095	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0185	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2122	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2314	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6306	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0649	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401847
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.2	°C	
Pressure		728.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.583	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1496	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0868	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0025	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0142	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0740	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1939	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4911	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0616	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Ells River  
Start Date: 2021-04-28 00:00

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-04-29 00:00

Set Index: 1  
WBEA ID: 210401854  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.3	°C	
Pressure		733.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0637	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1009	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0204	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0102	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0952	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0030	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1827	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4581	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0459	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210401858
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.5	°C	
Pressure		736.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1409	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0983	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0020	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0108	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0851	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1797	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4454	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0550	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401863
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.2	°C	
Pressure		737.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	15.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2357	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1319	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0053	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0184	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1268	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0010	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2333	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5315	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0734	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401877
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.7	°C	
Pressure		709.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1350	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0214	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0100	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0166	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0529	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0010	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2083	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.1027	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2041	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401885
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

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### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.7	°C	
Pressure		718.9	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	8.672	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1880	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0370	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0507	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0179	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0655	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0002	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2628	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9982	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1617	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401943
Start Date:	2021-04-30 12:40	End Date:	2021-04-30 12:41	Duration:	0.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0732	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0016	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0014	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401910
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.8	°C	
Pressure		719.9	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	4.315	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1352	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0038	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0098	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0048	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0284	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0013	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1974	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5606	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1110	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401918
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.2	°C	
Pressure		710.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	26.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.6165	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.3991	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0390	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0088	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2691	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2225	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6582	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1211	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-05-04 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-05-05 00:00**

Set Index: **1**  
WBEA ID: **210401928**  
Duration: **24.0 hr**

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### Notes

None

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### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		7.5	°C	
Pressure		738.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	16.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5155	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0736	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0119	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0070	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0920	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.3150	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7600	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1639	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401934
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

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### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.6	°C	
Pressure		718.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2416	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0026	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0079	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0072	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0189	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1879	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6000	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1243	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401950
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.6	°C	
Pressure		738.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	73.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.9867	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0577	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0424	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0169	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1500	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.3610	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.2896	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2349	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Patricia McInnes**  
Start Date: **2021-05-04 00:00**

Samp Use: **Exposure**  
Loc ID: **PATM**  
End Date: **2021-05-05 00:00**

Set Index: **1**  
WBEA ID: **210401959**  
Duration: **24.0 hr**

---

### Notes

None

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### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		6.8	°C	
Pressure		729.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	25.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.8617	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1035	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0182	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0128	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1300	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.3540	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8829	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2016	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Ells River  
Start Date: 2021-05-04 00:00

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-05-05 00:00

Set Index: 1  
WBEA ID: 210501969  
Duration: 24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.4	°C	
Pressure		735.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	30.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.7388	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0119	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0164	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0236	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0776	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2766	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.1415	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2447	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-05-04 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-05-05 00:00

Set Index: 1  
WBEA ID: 210501974  
Duration: 24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.2	°C	
Pressure		737.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	35.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.0833	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0199	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0216	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0104	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0778	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2954	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.2449	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2476	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210502012
Start Date:	2021-05-07 10:45	End Date:	2021-05-07 10:46	Duration:	0.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0391	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0009	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0017	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210501981
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.2	°C	
Pressure		710.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	31.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5943	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.7419	µg/m <sup>3</sup>	V4
Magnesium Ion	0.00005	0.0320	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0140	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.5369	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.3652	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.3147	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3472	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210501986
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.5	°C	
Pressure		720.3	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	19.585	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4334	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0125	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0391	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0114	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0684	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.4055	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.4669	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4135	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-05-10 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-05-11 00:00

Set Index: 1  
WBEA ID: 210501992  
Duration: 24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.7	°C	
Pressure		736.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	29.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3636	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0087	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0312	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0139	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0947	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.3427	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.0762	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2661	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210501995
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

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### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.8	°C	
Pressure		737.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	34.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5477	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0309	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0245	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0169	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1511	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.3758	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.1560	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2929	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210502010
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

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### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.7	°C	
Pressure		734.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2393	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0029	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0183	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0051	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0161	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2226	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8660	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2107	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Patricia McInnes**  
Start Date: **2021-05-10 00:00**

Samp Use: **Exposure**  
Loc ID: **PATM**  
End Date: **2021-05-11 00:00**

Set Index: **1**  
WBEA ID: **210502018**  
Duration: **24.0 hr**

---

### Notes

None

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### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		11.6	°C	
Pressure		730.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	16.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4215	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0450	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0250	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0108	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0513	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.3676	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.3987	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3989	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210502023
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.5	°C	
Pressure		718.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	17.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3633	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0414	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0418	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0186	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0579	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0025	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.4011	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.4927	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4268	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Athabasca Valley  
Start Date: 2021-05-10 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-05-11 00:00

Set Index: 1  
WBEA ID: 210502030  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.6	°C	
Pressure		738.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	17.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4265	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0594	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0236	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0316	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0878	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0012	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3833	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.3921	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3705	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210502087
Start Date:	2021-05-14 14:00	End Date:	2021-05-14 14:01	Duration:	0.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0059	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0004	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-05-16 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-05-17 00:00

Set Index: 1  
WBEA ID: 210502037  
Duration: 24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.9	°C	
Pressure		730.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4477	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0088	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0084	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0014	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0194	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1918	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5260	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0626	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210502042
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.5	°C	
Pressure		732.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3265	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0040	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0054	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0140	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0150	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1761	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4236	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0332	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210502059
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

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### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.1	°C	
Pressure		706.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2943	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1483	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0265	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0079	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0899	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0006	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1979	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5360	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0865	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210502066
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.5	°C	
Pressure		713.2	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	3.652	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1073	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0034	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0027	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0025	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1451	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3466	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0314	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Ells River  
Start Date: 2021-05-16 00:00

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-05-17 00:00

Set Index: 1  
WBEA ID: 210502073  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.5	°C	
Pressure		729.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2790	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0054	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0082	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0126	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0172	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2088	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5231	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0578	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210502075
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.0	°C	
Pressure		713.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0677	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0021	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0004	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0024	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0021	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1386	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3393	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0233	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Athabasca Valley  
Start Date: 2021-05-16 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-05-17 00:00

Set Index: 1  
WBEA ID: 210502084  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.9	°C	
Pressure		731.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0656	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0215	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0047	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0037	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0172	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1626	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3006	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0094	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210502093
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.7	°C	
Pressure		724.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2095	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0465	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0087	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0061	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0283	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1759	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3437	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0212	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210502151
Start Date:	2021-05-21 12:00	End Date:	2021-05-21 12:01	Duration:	0.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0053	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0015	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0005	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210502099
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.0	°C	
Pressure		737.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	55.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2834	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0429	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0259	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0412	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.3202	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.3029	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.1065	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1192	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-05-22 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-05-23 00:00

Set Index: 1  
WBEA ID: 210502102  
Duration: 24.0 hr

---

### Notes

Short sample duration and low sample volume due to power outage.

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.9	°C	
Pressure		737.8	mmHg	
Sample Volume		22.2	m <sup>3</sup>	V6
Particulate Matter	0.042	29.775	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3480	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0897	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0193	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0139	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.6324	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2332	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.9196	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1749	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210502109
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.4	°C	
Pressure		739.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	31.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5179	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1188	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0200	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0086	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.5437	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2255	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.8882	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2083	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210502124
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.1	°C	
Pressure		716.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	26.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5186	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2623	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0259	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0092	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1771	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2317	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5479	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0798	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210502130
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.6	°C	
Pressure		723.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	16.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2223	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0064	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0240	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0193	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0140	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2083	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5465	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0948	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-05-22 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-05-23 00:00**

Set Index: **1**  
WBEA ID: **210502136**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		14.5	°C	
Pressure		742.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3420	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0278	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0146	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0065	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0373	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1943	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5273	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0671	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Patricia McInnes  
Start Date: 2021-05-22 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-05-23 00:00

Set Index: 1  
WBEA ID: 210502142  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.8	°C	
Pressure		732.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2731	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0242	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0129	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0088	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0262	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2150	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4936	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0678	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210502155
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.5	°C	
Pressure		722.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1592	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0122	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0123	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0037	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0152	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0109	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2183	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5594	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0928	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210502215
Start Date:	2021-05-26 11:19	End Date:	2021-05-26 11:20	Duration:	0.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0046	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Ells River  
Start Date: 2021-05-28 00:00

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-05-29 00:00

Set Index: 1  
WBEA ID: 210502189  
Duration: 24.0 hr

---

### Notes

Sample duration of 23:59 instead of 24:00

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.7	°C	
Pressure		722.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0677	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0014	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0119	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0027	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1538	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6050	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1350	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210502192
Start Date:	2021-05-28 00:00	End Date:	2021-05-28 22:15	Duration:	22.3 hr

---

### Notes

Low sample volume (22.2) and sampling duration (22:15 hours) due to power issues during NAPS day

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.3	°C	
Pressure		722.7	mmHg	
Sample Volume		22.2	m <sup>3</sup>	V6
Particulate Matter	0.042	6.171	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0523	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0026	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0176	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0022	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2148	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5500	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1007	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210502198
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.3	°C	
Pressure		724.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0283	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0331	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0012	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0232	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0286	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2109	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5791	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1275	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210502219
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00	Duration:	24.0 hr

---

### Notes

Field Flag: 'V', Invalid sample (Void).  
Field Flag: 'P', Power failure during sampling.  
Sampler was found without power. Sample did not run.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		-9999	m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210502225
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.5	°C	
Pressure		705.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0603	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0043	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0054	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0048	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0023	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1717	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7439	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1498	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210502230
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.0	°C	
Pressure		704.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0157	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0009	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0294	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0029	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1933	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6940	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1630	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-05-28 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-05-29 00:00**

Set Index: **1**  
WBEA ID: **210502236**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		10.5	°C	
Pressure		726.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0263	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0042	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0034	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0335	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0115	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2863	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8759	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2671	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Patricia McInnes  
Start Date: 2021-05-28 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-05-29 00:00

Set Index: 1  
WBEA ID: 210502243  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.8	°C	
Pressure		716.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0737	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0022	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0037	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0254	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0031	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.4480	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9453	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2946	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602320
Start Date:	2021-06-02 14:00	End Date:	2021-06-02 14:01	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0022	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0030	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0007	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0005	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0007	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0057	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Athabasca Valley  
Start Date: 2021-06-03 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-06-04 00:00

Set Index: 1  
WBEA ID: 210602266  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.8	°C	
Pressure		727.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	31.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.7538	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1131	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0277	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0153	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1101	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0052	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1047	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4157	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0298	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602271
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.0	°C	
Pressure		707.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	23.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5683	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0865	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0336	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0121	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0683	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0002	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0850	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3925	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0432	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210602281
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.3	°C	
Pressure		723.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	26.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2034	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0427	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0014	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0255	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1847	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0012	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1081	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6253	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0123	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602289
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.3	°C	
Pressure		724.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	52.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.7468	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0741	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0014	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0282	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2380	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0034	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2295	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6808	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0342	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210602296
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.1	°C	
Pressure		723.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	73.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5676	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0611	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0533	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0326	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2497	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0026	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2245	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6850	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0319	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Patricia McInnes  
Start Date: 2021-06-03 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-06-04 00:00

Set Index: 1  
WBEA ID: 210602306  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.9	°C	
Pressure		718.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	15.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3752	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0429	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0324	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0184	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0194	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0843	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2669	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0258	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602310
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.7	°C	
Pressure		702.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1672	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0289	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0280	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0290	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0153	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0045	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0745	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3285	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0377	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602326
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had a temp diff status code. Total sampling time = 24:00, Valid sampling time = 23:44.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.4	°C	
Pressure		708.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0626	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0072	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0050	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0259	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0051	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0020	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0623	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2906	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0229	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602362
Start Date:	2021-06-07 14:55	End Date:	2021-06-07 14:56	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0033	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0038	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0007	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0006	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0010	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0042	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-06-09 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-06-10 00:00**

Set Index: **1**  
WBEA ID: **210602332**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		15.4	°C	
Pressure		740.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2551	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1002	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0248	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0137	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0393	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0035	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0485	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1500	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0001	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602338
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.0	°C	
Pressure		719.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0742	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0193	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0082	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0088	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0157	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0034	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0294	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1489	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0032	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602344
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.1	°C	
Pressure		730.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2852	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0591	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0227	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0135	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0305	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0025	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0688	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2237	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0128	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210602350
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.7	°C	
Pressure		736.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3791	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0151	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0013	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0063	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0184	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0022	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0596	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1875	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0002	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-06-09 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-06-10 00:00

Set Index: 1  
WBEA ID: 210602355  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.8	°C	
Pressure		739.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	26.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.9465	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0401	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0027	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0099	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0468	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0041	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0940	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2837	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0045	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602369
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.2	°C	
Pressure		738.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	23.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.6519	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0273	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0011	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0175	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0343	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0011	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0851	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2266	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0002	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602378
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.3	°C	
Pressure		720.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0750	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0196	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0055	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0103	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0037	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0034	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0435	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1357	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0002	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602388
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.3	°C	
Pressure		712.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0574	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0106	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0109	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0352	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0054	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0031	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0592	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2602	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0344	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602423
Start Date:	2021-06-11 14:30	End Date:	2021-06-11 14:31	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0258	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0029	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0019	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	0.0012	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602395
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.6	°C	
Pressure		705.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2408	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0199	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0365	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0428	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0281	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0011	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3012	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.0125	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2793	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602402
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 19:07.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.2	°C	
Pressure		712.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2099	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0065	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0158	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0327	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0061	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0027	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2391	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8443	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1918	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Athabasca Valley  
Start Date: 2021-06-15 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-06-16 00:00

Set Index: 1  
WBEA ID: 210602411  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		24.3	°C	
Pressure		731.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	18.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4249	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0670	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0016	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0226	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0443	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0030	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2069	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7558	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1823	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602419
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.7	°C	
Pressure		711.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	14.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3520	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0078	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0467	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0213	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0081	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0027	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2169	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7964	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2026	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602427
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.8	°C	
Pressure		722.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	18.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4606	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0329	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0615	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0181	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0241	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0022	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2010	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6949	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1304	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-06-15 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-06-16 00:00

Set Index: 1  
WBEA ID: 210602440  
Duration: 24.0 hr

---

### Notes

Raining during sample collection.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.4	°C	
Pressure		730.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	29.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.8973	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0216	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0518	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0313	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0461	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0023	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2669	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.1795	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2852	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Ells River  
Start Date: 2021-06-15 00:00

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-06-16 00:00

Set Index: 1  
WBEA ID: 210602442  
Duration: 24.0 hr

---

### Notes

Raining during sample collection.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.2	°C	
Pressure		727.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	39.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.7842	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0184	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0016	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0329	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0719	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0014	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3541	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.3429	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2762	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602447
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

---

### Notes

Raining during sample collection.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.5	°C	
Pressure		729.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	35.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.2793	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0451	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0026	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0339	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0555	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0014	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3280	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.1317	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0260	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210602535
Start Date:	2021-06-17 10:05	End Date:	2021-06-17 10:06	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0189	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.5898	µg/m <sup>3</sup>	V4
Magnesium Ion	0.00005	0.0004	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602457
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.5	°C	
Pressure		705.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	26.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5484	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2332	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0606	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0169	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1295	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0032	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0369	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3144	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0194	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602464
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 17:16.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.5	°C	
Pressure		712.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	14.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2362	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0174	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0046	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0214	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0117	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0034	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0524	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5269	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0749	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Patricia McInnes  
Start Date: 2021-06-21 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-06-22 00:00

Set Index: 1  
WBEA ID: 210602503  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.7	°C	
Pressure		722.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	15.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4391	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0288	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0348	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0141	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0219	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0016	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0734	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3931	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0432	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602515
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

---

### Notes

Raining during sample deployment.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.4	°C	
Pressure		729.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	57.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.6866	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0840	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0465	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0335	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1737	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0014	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3037	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.3534	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2825	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210602521
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

---

### Notes

Raining during sample deployment.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.2	°C	
Pressure		727.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	36.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5581	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0254	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0508	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0173	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0921	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0009	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1977	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.1060	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2756	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-06-21 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-06-22 00:00

Set Index: 1  
WBEA ID: 210602524  
Duration: 24.0 hr

---

### Notes

Raining during sample deployment.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.1	°C	
Pressure		730.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	53.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.9098	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0827	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0599	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0260	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1822	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0006	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2375	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.5705	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3692	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602530
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.0	°C	
Pressure		711.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0837	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0093	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0116	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0170	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0055	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0457	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3012	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0425	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Athabasca Valley  
Start Date: 2021-06-21 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-06-22 00:00

Set Index: 1  
WBEA ID: 210602539  
Duration: 24.0 hr

---

### Notes

Small fibers found on filter upon collection of the sample. Not sure what they are. Poplar fluff maybe?

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.0	°C	
Pressure		732.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	18.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5784	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0509	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0019	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0111	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0336	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0044	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0924	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4158	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0430	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602588
Start Date:	2021-06-24 12:10	End Date:	2021-06-24 12:11	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0595	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0022	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0018	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	0.0003	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210602545
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		24.5	°C	
Pressure		737.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	27.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4750	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0199	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0032	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0104	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0538	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0019	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0944	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7571	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1758	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-06-27 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-06-28 00:00

Set Index: 1  
WBEA ID: 210602548  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.4	°C	
Pressure		740.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	28.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5359	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0168	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0050	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0109	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0508	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0002	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1065	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9644	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2479	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602552
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.3	°C	
Pressure		739.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	37.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.8978	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0250	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0434	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0112	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0694	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0032	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1494	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8424	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2051	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602565
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		24.3	°C	
Pressure		721.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2648	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0119	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0089	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0088	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0080	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0012	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0318	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2064	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0014	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602573
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.7	°C	
Pressure		714.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	46.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.0099	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.4130	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0423	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0149	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2312	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0111	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0179	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1907	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0004	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210602582
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.8	°C	
Pressure		741.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	32.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5479	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0179	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0183	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0437	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0579	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0020	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1619	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.5499	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4070	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602587
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.1	°C	
Pressure		721.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	21.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4099	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0076	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0336	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0144	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0274	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0037	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1063	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9793	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2745	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602600
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.4	°C	
Pressure		732.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	31.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4762	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0190	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0521	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0286	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0656	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0023	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1219	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.5362	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4453	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602628
Start Date:	2021-06-30 14:15	End Date:	2021-06-30 14:16	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0208	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0027	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0029	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602616
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.1	°C	
Pressure		713.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0500	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0066	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0299	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0036	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0022	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.1651	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-07-03 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-07-04 00:00

Set Index: 1  
WBEA ID: 210602622  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.1	°C	
Pressure		731.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0222	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0060	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0088	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0068	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0022	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0007	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.1151	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Ells River  
Start Date: 2021-07-03 00:00

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-07-04 00:00

Set Index: 1  
WBEA ID: 210602625  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.7	°C	
Pressure		728.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0488	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0052	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0037	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0014	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0042	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0018	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.1220	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602632
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.9	°C	
Pressure		706.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0554	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0090	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0095	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0073	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0035	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.1525	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602646
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.5	°C	
Pressure		729.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0391	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0062	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0024	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0054	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0037	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.1427	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702669
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

---

### Notes

Short sampling duration and low sample volume due to power outage at site.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.3	°C	
Pressure		712.2	mmHg	
Sample Volume		23.9	m <sup>3</sup>	V6
Particulate Matter	0.042	6.485	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0316	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0076	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0069	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0069	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0017	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0081	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1369	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Athabasca Valley  
Start Date: 2021-07-03 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-07-04 00:00

Set Index: 1  
WBEA ID: 210702674  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.1	°C	
Pressure		733.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0887	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0283	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0083	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0059	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0096	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0031	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.1552	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210702680
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.7	°C	
Pressure		723.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2419	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0083	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0090	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0064	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0022	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0006	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.1292	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702710
Start Date:	2021-07-07 10:40	End Date:	2021-07-07 10:41	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0428	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0035	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0021	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0002	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	0.0009	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210702689
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		27.4	°C	
Pressure		733.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	35.583	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.6758	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0152	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0577	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0464	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0468	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0020	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0503	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3269	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0001	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-07-09 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-07-10 00:00

Set Index: 1  
WBEA ID: 210702692  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		25.3	°C	
Pressure		735.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	42.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.9381	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0162	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0703	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0444	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0424	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0011	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0558	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3979	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0001	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702702
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		26.6	°C	
Pressure		734.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	78.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.1696	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0382	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0540	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0564	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0697	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0040	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0958	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5138	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0146	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702714
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		27.0	°C	
Pressure		716.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	36.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.7508	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0217	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0275	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0965	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0290	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0020	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0408	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5060	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1176	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702724
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		25.3	°C	
Pressure		709.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	83.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.9866	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.8273	µg/m <sup>3</sup>	V4
Magnesium Ion	0.00005	0.1901	µg/m <sup>3</sup>	V4
Potassium Ion	0.0001	0.1217	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.5738	µg/m <sup>3</sup>	V4
Fluoride Ion	0.00001	0.0286	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0787	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6074	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1047	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702732
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.9	°C	
Pressure		716.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	44.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.1250	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0210	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.1024	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0591	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0433	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0383	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1400	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7201	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2432	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210702738
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		24.9	°C	
Pressure		736.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	55.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.8011	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0311	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0854	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0656	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0902	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0047	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1988	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7710	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1428	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210702744
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		24.6	°C	
Pressure		726.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	56.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.8073	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0313	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0701	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0703	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1009	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0081	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1893	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.1492	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2610	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702777
Start Date:	2021-07-13 11:10	End Date:	2021-07-13 11:11	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0205	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0028	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0016	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Patricia McInnes**  
Start Date: **2021-07-15 00:00**

Samp Use: **Exposure**  
Loc ID: **PATM**  
End Date: **2021-07-16 00:00**

Set Index: **1**  
WBEA ID: **210702750**  
Duration: **24.0 hr**

---

### Notes

None

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### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		21.5	°C	
Pressure		720.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	43.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.0169	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0328	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0868	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.1203	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0151	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0277	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1056	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6185	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2239	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Athabasca Valley  
Start Date: 2021-07-15 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-07-16 00:00

Set Index: 1  
WBEA ID: 210702756  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.4	°C	
Pressure		730.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	31.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.7428	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0286	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0831	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.1008	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0185	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0067	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0830	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5803	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1502	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702760
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.3	°C	
Pressure		710.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	30.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.6934	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0349	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0761	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0917	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0223	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0033	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0599	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5987	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1636	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702769
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.6	°C	
Pressure		727.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	45.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5765	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0332	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0634	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.1100	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0889	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0288	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0830	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6856	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1754	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210702785
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.0	°C	
Pressure		726.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	36.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4232	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0268	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0520	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0931	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0678	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0278	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0523	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5780	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1334	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-07-15 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-07-16 00:00

Set Index: 1  
WBEA ID: 210702788  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.4	°C	
Pressure		728.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	64.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.6056	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0546	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.1147	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0780	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1999	µg/m <sup>3</sup>	V4
Fluoride Ion	0.00001	0.0341	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1099	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7418	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1341	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702796
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.0	°C	
Pressure		710.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	33.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5216	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0174	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0302	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.1443	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0135	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0268	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1297	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7897	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1782	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702803
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.7	°C	
Pressure		704.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	31.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4440	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0220	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0601	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.1289	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0141	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0293	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0950	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6348	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1443	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210702822
Start Date:	2021-07-16 13:55	End Date:	2021-07-16 13:56	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0246	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0046	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0006	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	0.0002	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Athabasca Valley  
Start Date: 2021-07-21 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-07-22 00:00

Set Index: 1  
WBEA ID: 210702812  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.0	°C	
Pressure		736.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	37.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4868	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0549	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0532	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.1688	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0237	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0434	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1152	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.9198	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.9073	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702816
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.5	°C	
Pressure		715.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	31.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3385	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0069	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0228	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0773	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0045	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0437	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0625	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.7493	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.7361	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210702826
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.9	°C	
Pressure		726.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	34.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.6736	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.4341	µg/m <sup>3</sup>	V4
Magnesium Ion	0.00005	0.0487	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0608	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0129	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0309	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1566	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	2.0292	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.9678	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702837
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.9	°C	
Pressure		733.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	58.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.9773	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0184	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0668	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0640	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0422	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2068	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	2.3770	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	1.2426	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Ells River  
Start Date: 2021-07-21 00:00

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-07-22 00:00

Set Index: 1  
WBEA ID: 210702851  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.3	°C	
Pressure		732.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	56.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.8911	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0017	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0550	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.1464	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0398	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0568	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1064	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	2.3498	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	1.1370	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210702854
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.5	°C	
Pressure		735.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	46.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.9828	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0047	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0561	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0924	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0264	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0477	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1408	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	2.2127	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	1.5961	µg/m <sup>3</sup>	V4



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702856
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.1	°C	
Pressure		716.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	28.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2486	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0054	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0213	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0789	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0035	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0449	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0607	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.2239	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.5391	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702864
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.7	°C	
Pressure		709.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	28.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2142	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0200	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0344	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0874	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0146	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0371	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0448	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.4945	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.6123	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210702893
Start Date:	2021-07-22 11:50	End Date:	2021-07-22 11:51	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0447	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0027	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0030	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702875
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had a temp diff status code. Total sampling time = 24:00, Valid sampling time = 23:57.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.8	°C	
Pressure		715.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2986	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0193	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0195	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0293	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0078	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0489	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4014	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0525	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702879
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.2	°C	
Pressure		709.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1865	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0251	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0290	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0133	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0098	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0023	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2749	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0016	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-07-27 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-07-28 00:00**

Set Index: **1**  
WBEA ID: **210702888**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		18.1	°C	
Pressure		736.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	22.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.6496	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0531	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0302	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0248	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0450	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0883	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5398	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0350	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Patricia McInnes  
Start Date: 2021-07-27 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-07-28 00:00

Set Index: 1  
WBEA ID: 210702899  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.3	°C	
Pressure		726.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2877	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0179	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0158	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0207	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0151	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0639	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5243	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0782	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702905
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had a powerfail status code. Resulted in a short sampling duration and low sample volume.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.2	°C	
Pressure		716.0	mmHg	
Sample Volume		23.9	m <sup>3</sup>	V6
Particulate Matter	0.042	10.126	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0559	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0081	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0196	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0102	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0039	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0118	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0146	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3110	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0032	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210702910
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.4	°C	
Pressure		731.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0935	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0082	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0120	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0044	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0069	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2544	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-07-27 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-07-28 00:00

Set Index: 1  
WBEA ID: 210702913  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.3	°C	
Pressure		734.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	17.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2624	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0212	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0239	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0139	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0357	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0354	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2840	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0032	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702922
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.7	°C	
Pressure		732.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	21.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.3917	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0213	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0146	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0048	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0131	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0019	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2963	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210703007
Start Date:	2021-07-29 11:40	End Date:	2021-07-29 11:41	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0497	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0026	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0014	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0010	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0008	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210702963
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		24.5	°C	
Pressure		736.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	25.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4630	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0134	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0417	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0352	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0333	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0034	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0473	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.7721	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.5404	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702966
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.6	°C	
Pressure		720.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	24.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3348	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0132	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0118	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0490	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0116	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0159	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0218	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4529	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0753	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-08-02 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-08-03 00:00

Set Index: 1  
WBEA ID: 210702973  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.1	°C	
Pressure		739.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	33.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.6632	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0254	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0700	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0461	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0670	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0148	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0875	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	2.3778	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.6945	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702985
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.5	°C	
Pressure		737.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	46.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	2.7172	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0349	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0473	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0265	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0661	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0156	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1431	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	2.0724	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.5914	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702992
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

---

### Notes

Gloved finger accidentally touched filter before sample deployment.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.9	°C	
Pressure		713.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	35.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.1073	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1176	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.1171	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0313	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0781	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0164	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0312	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4275	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0885	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Athabasca Valley  
Start Date: 2021-08-02 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-08-03 00:00

Set Index: 1  
WBEA ID: 210703001  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.6	°C	
Pressure		740.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	33.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.8404	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0323	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0146	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0695	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0429	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0034	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0824	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4654	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0660	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210703009
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.5	°C	
Pressure		719.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	21.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4449	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0110	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0484	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0475	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0084	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0037	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0299	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4571	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1158	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Patricia McInnes  
Start Date: 2021-08-02 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-08-03 00:00

Set Index: 1  
WBEA ID: 210703017  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.0	°C	
Pressure		730.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	39.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.3584	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0617	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0591	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0526	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0756	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0034	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1221	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5013	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0735	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803065
Start Date:	2021-08-04 13:35	End Date:	2021-08-04 13:36	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0132	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0042	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0009	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0011	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0009	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0007	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210803026
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.6	°C	
Pressure		728.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1571	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0194	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0173	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0232	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0007	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2300	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Fort McKay South**  
Start Date: **2021-08-08 00:00**

Samp Use: **Exposure**  
Loc ID: **FMCS**  
End Date: **2021-08-09 00:00**

Set Index: **1**  
WBEA ID: **210803030**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		14.5	°C	
Pressure		730.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.792	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2143	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0190	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0124	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0133	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0171	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0035	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0319	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2424	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803039
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.7	°C	
Pressure		729.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4112	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0201	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0113	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0071	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0193	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0012	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2623	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210803057
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.0	°C	
Pressure		711.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0377	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0087	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0220	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0207	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0052	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0019	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.6887	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0920	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803069
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.1	°C	
Pressure		705.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0487	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0094	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0049	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0176	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0064	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0014	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2768	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0057	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210803078
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.7	°C	
Pressure		711.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0776	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0185	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0100	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0325	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0131	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0026	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0726	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8188	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1705	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-08-08 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-08-09 00:00**

Set Index: **1**  
WBEA ID: **210803085**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		14.9	°C	
Pressure		732.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2907	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0236	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0265	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0136	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0355	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0017	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1311	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9347	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1945	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Patricia McInnes  
Start Date: 2021-08-08 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-08-09 00:00

Set Index: 1  
WBEA ID: 210803091  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.7	°C	
Pressure		722.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1980	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0204	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0242	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0120	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0277	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0021	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1206	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5253	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0598	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210803127
Start Date:	2021-08-10 13:21	End Date:	2021-08-10 13:22	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0233	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0021	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0017	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210803099
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.7	°C	
Pressure		726.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1051	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0047	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0132	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0236	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0068	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0079	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.1680	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0009	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-08-14 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-08-15 00:00

Set Index: 1  
WBEA ID: 210803102  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.0	°C	
Pressure		728.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	20.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2536	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0259	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0383	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0421	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0409	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0093	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2604	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803109
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.6	°C	
Pressure		727.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	40.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5154	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0885	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0528	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0462	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1328	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0095	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0356	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3568	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803120
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.2	°C	
Pressure		705.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	24.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5589	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0244	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0584	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.1284	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0159	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0148	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0520	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3185	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0016	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210803137
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.6	°C	
Pressure		711.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	24.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4798	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0198	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0703	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.1041	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0125	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0143	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0472	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3279	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0017	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210803155
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.3	°C	
Pressure		710.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	23.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5248	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0208	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0727	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0893	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0139	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0118	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.3144	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0012	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210803161
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.0	°C	
Pressure		730.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	20.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3480	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0190	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0462	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.1006	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0138	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0118	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0361	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2760	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0012	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210803167
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.4	°C	
Pressure		720.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	24.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5673	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0240	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0546	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0898	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0130	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0115	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0403	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3041	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0011	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PM10 Ion	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803189	
Start Date:	2021-08-16 12:39	End Date:	2021-08-16 12:40	Duration:	0.0 hr	

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0171	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0039	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0047	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0016	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0009	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210803169
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.6	°C	
Pressure		737.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3742	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0189	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0201	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0257	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0004	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2013	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210803173
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.8	°C	
Pressure		734.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.583	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1844	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0168	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0207	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0072	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0375	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0021	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2023	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803180
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.5	°C	
Pressure		735.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5158	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0156	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0146	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0059	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0267	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0036	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2245	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803197
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.9	°C	
Pressure		709.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1639	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0074	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0197	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0127	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0034	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0012	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0196	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4781	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0103	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210803206
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.4	°C	
Pressure		717.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1779	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0097	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0442	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0090	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0075	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0035	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0286	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6920	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0702	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210803236
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.8	°C	
Pressure		716.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2426	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0128	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0188	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0120	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0013	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.3154	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-08-20 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-08-21 00:00**

Set Index: **1**  
WBEA ID: **210803242**  
Duration: **24.0 hr**

---

### Notes

None

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### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		13.7	°C	
Pressure		738.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	19.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.8447	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0263	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0221	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0112	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0474	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0036	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0878	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5276	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Patricia McInnes  
Start Date: 2021-08-20 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-08-21 00:00

Set Index: 1  
WBEA ID: 210803248  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.1	°C	
Pressure		728.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.7133	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0328	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0158	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0297	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0016	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0682	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4306	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210803257
Start Date:	2021-08-23 12:35	End Date:	2021-08-23 12:36	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0362	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0035	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0023	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0012	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0007	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210803259
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.9	°C	
Pressure		724.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3895	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0222	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0485	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0180	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0147	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0067	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1227	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6725	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1051	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-08-26 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-08-27 00:00**

Set Index: **1**  
WBEA ID: **210803266**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		18.1	°C	
Pressure		736.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	17.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3380	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0278	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0268	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0107	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0160	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0012	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0940	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5016	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0722	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803278
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.5	°C	
Pressure		732.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	32.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.3085	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0753	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0371	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0179	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1134	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0064	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2011	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.5791	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3610	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Ells River**  
Start Date: **2021-08-26 00:00**

Samp Use: **Exposure**  
Loc ID: **ELSR**  
End Date: **2021-08-27 00:00**

Set Index: **1**  
WBEA ID: **210803290**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		17.5	°C	
Pressure		731.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	30.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5874	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0641	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0409	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0102	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1284	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0026	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1903	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9316	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1348	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210803293
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.9	°C	
Pressure		734.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	29.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.9555	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0652	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0373	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0272	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1266	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0031	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1604	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.6093	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3433	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803300
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

---

### Notes

Sample collected during rainstorm

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.2	°C	
Pressure		708.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	19.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.6385	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0983	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0757	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0069	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0533	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0041	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1391	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7724	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0925	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210803305
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.5	°C	
Pressure		716.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1761	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0094	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0436	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0212	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0070	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0045	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1143	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7411	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1164	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210803313
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.4	°C	
Pressure		715.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4055	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0079	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0358	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0122	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0069	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0054	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1089	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6801	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1006	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210803328
Start Date:	2021-08-27 11:44	End Date:	2021-08-27 11:45	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0091	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210803322
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration:	24.0 hr

---

### Notes

Short sampling duration and low sample volume due to power outage.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.6	°C	
Pressure		708.9	mmHg	
Sample Volume		23.9	m <sup>3</sup>	V6
Particulate Matter	0.042	10.586	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0803	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0123	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0651	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0037	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0928	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7389	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1094	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-09-01 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-09-02 00:00**

Set Index: **1**  
WBEA ID: **210803332**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		15.8	°C	
Pressure		730.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2152	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0030	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0225	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0588	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0080	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0008	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0915	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7687	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1112	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Patricia McInnes**  
Start Date: **2021-09-01 00:00**

Samp Use: **Exposure**  
Loc ID: **PATM**  
End Date: **2021-09-02 00:00**

Set Index: **1**  
WBEA ID: **210803341**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		15.6	°C	
Pressure		719.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0890	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0087	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0539	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0032	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0052	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0812	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8419	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1616	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-09-01 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-09-02 00:00

Set Index: 1  
WBEA ID: 210803348  
Duration: 24.0 hr

---

### Notes

Raining during sample collection.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.5	°C	
Pressure		726.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0439	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0024	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0173	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0030	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0033	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0272	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1937	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210803351
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.5	°C	
Pressure		726.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0192	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0048	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0118	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0025	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0032	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.1828	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0001	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803365
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.7	°C	
Pressure		727.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0217	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0022	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0056	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0218	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0076	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0049	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0252	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1840	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803378
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.8	°C	
Pressure		702.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0642	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0029	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0142	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0333	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0043	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0364	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7448	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0923	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210803385
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.7	°C	
Pressure		709.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0922	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0113	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0236	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0043	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0037	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0535	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9170	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1560	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903429
Start Date:	2021-09-03 11:00	End Date:	2021-09-03 11:01	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0008	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0028	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Ells River  
Start Date: 2021-09-07 00:00

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-09-08 00:00

Set Index: 1  
WBEA ID: 210903397  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.0	°C	
Pressure		733.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1018	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0107	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0031	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0082	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0046	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0313	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1531	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-09-07 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-09-08 00:00

Set Index: 1  
WBEA ID: 210903400  
Duration: 24.0 hr

---

### Notes

Raining during sample deployment.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.9	°C	
Pressure		736.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2851	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0128	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0036	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0067	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.1590	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903406
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

---

### Notes

Raining during sample collection.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.8	°C	
Pressure		734.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	14.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.8652	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0129	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0118	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0119	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.1866	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903433
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.2	°C	
Pressure		717.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0988	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0043	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0111	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0084	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0030	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.1481	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903439
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.7	°C	
Pressure		710.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	14.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3860	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0510	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0343	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0321	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.1668	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903450
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.8	°C	
Pressure		718.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0863	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0043	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0022	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0066	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0040	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.1462	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-09-07 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-09-08 00:00**

Set Index: **1**  
WBEA ID: **210903454**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		16.4	°C	
Pressure		738.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1901	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0126	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0163	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0072	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0100	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.1785	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210903462
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.9	°C	
Pressure		727.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0807	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0045	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0086	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0103	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0045	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.1608	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903485
Start Date:	2021-09-08 13:35	End Date:	2021-09-08 13:36	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0007	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0001	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903476
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.3	°C	
Pressure		713.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0219	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0027	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0025	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0020	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0008	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2705	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0001	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903491
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.0	°C	
Pressure		706.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1146	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0153	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0162	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0033	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0097	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0019	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2718	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903499
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

---

### Notes

Raining during sample deployment.

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.9	°C	
Pressure		730.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0337	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0030	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0022	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0015	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0026	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2145	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210903515
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.3	°C	
Pressure		728.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0170	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0046	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0036	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2302	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210903518
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.3	°C	
Pressure		731.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0371	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0013	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0069	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0038	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2129	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903524
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.3	°C	
Pressure		711.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0290	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0046	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0071	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0017	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0006	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2387	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Athabasca Valley  
Start Date: 2021-09-13 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-09-14 00:00

Set Index: 1  
WBEA ID: 210903532  
Duration: 24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.3	°C	
Pressure		733.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1315	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0114	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0123	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0072	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0085	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2424	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Patricia McInnes  
Start Date: 2021-09-13 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-09-14 00:00

Set Index: 1  
WBEA ID: 210903539  
Duration: 24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.1	°C	
Pressure		722.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0163	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0091	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0012	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0005	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2366	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0001	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903606
Start Date:	2021-09-15 13:24	End Date:	2021-09-15 13:25	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Ells River  
Start Date: 2021-09-19 00:00

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-09-20 00:00

Set Index: 1  
WBEA ID: 210903549  
Duration: 24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.9	°C	
Pressure		723.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1183	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0188	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0071	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0130	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.3951	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-09-19 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-09-20 00:00

Set Index: 1  
WBEA ID: 210903554  
Duration: 24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.0	°C	
Pressure		727.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0589	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0079	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0121	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0039	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0036	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.3540	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903563
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

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### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.9	°C	
Pressure		726.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1126	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0027	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0124	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0207	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0095	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0017	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0328	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3577	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Athabasca Valley  
Start Date: 2021-09-19 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-09-20 00:00

Set Index: 1  
WBEA ID: 210903575  
Duration: 24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.5	°C	
Pressure		727.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2396	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0094	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0270	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0202	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0080	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0632	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5439	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903588
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.8	°C	
Pressure		701.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0517	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0070	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0072	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0032	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0035	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0334	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3785	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903592
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.4	°C	
Pressure		706.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0867	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0104	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0247	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0029	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0505	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5127	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0003	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210903598
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.7	°C	
Pressure		718.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0694	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0103	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0216	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0038	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0350	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4782	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903615
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 22:22.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.6	°C	
Pressure		707.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0464	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0121	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0102	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0033	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.3784	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903636
Start Date:	2021-09-22 10:22	End Date:	2021-09-22 10:23	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0492	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0021	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0029	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0011	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903622
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.4	°C	
Pressure		702.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	23.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.6708	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0954	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0577	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0663	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.1966	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903626
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 22:33.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.8	°C	
Pressure		708.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1627	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0041	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0252	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0043	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0071	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0277	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1898	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903645
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.2	°C	
Pressure		726.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	15.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.6772	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0032	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0129	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0031	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0236	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2500	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210903656
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.4	°C	
Pressure		724.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0717	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0096	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0066	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0105	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0019	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0327	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1808	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-09-25 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-09-26 00:00

Set Index: 1  
WBEA ID: 210903658  
Duration: 24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.9	°C	
Pressure		727.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	17.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3812	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0092	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0220	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0031	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0376	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0005	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0303	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2492	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210903666
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.8	°C	
Pressure		728.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	14.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4357	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0188	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0284	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0100	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0212	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0298	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2309	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903676
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.0	°C	
Pressure		707.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1348	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0051	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0220	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0098	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0049	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0295	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1771	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210903683
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.5	°C	
Pressure		718.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5022	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0277	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0257	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0169	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2380	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210903722
Start Date:	2021-09-28 11:35	End Date:	2021-09-28 11:36	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0154	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0019	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0032	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0011	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903696
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.5	°C	
Pressure		711.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2241	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.3218	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0373	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0075	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0321	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2442	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903700
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.0	°C	
Pressure		717.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1232	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2111	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0225	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0066	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0101	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0371	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2429	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903709
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.2	°C	
Pressure		716.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0792	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2112	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0130	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0164	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0097	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2662	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210903714
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had powerfail and sample period status codes. Resulted in a short sampling duration and low sample volume.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.9	°C	
Pressure		737.1	mmHg	
Sample Volume		22.4	m <sup>3</sup>	V6
Particulate Matter	0.042	16.116	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3761	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.3049	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0315	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0174	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0247	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0114	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3272	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210903724
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.7	°C	
Pressure		727.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1136	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2298	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0172	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0124	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0126	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	1.1546	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.2527	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903740
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.2	°C	
Pressure		734.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	32.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3717	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.3439	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0427	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0147	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1055	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0003	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0264	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5256	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210903781
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.8	°C	
Pressure		732.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0471	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.4558	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0098	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0056	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0120	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.2957	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-10-01 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-10-02 00:00

Set Index: 1  
WBEA ID: 210903784  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.4	°C	
Pressure		735.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1474	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2490	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0216	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0051	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0275	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0385	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3503	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-10-04 13:10**

Samp Use: **Field Procedure Blank**  
Loc ID: **ATHV**  
End Date: **2021-10-04 13:11**

Set Index: **1**  
WBEA ID: **211003801**  
Duration: **0.0 hr**

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0296	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1610	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0021	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0010	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211003787
Start Date:	2021-10-07 00:00	End Date:	2021-10-08 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.7	°C	
Pressure		713.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1420	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1790	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0187	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0363	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0081	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0464	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5850	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0063	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Athabasca Valley  
Start Date: 2021-10-07 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-10-08 00:00

Set Index: 1  
WBEA ID: 211003805  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.5	°C	
Pressure		734.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3338	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2563	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0349	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0395	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0216	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0692	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6319	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0187	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211003816
Start Date:	2021-10-07 00:00	End Date:	2021-10-08 00:00	Duration:	24.0 hr

---

### Notes

Analysis Flag: 'r7', Sample re-analyzed with same result, original value used.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.7	°C	
Pressure		724.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1529	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	1.9674	µg/m <sup>3</sup>	V4
Magnesium Ion	0.00005	0.0160	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	1.4482	µg/m <sup>3</sup>	V4
Sodium Ion	0.0006	0.0089	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0381	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4466	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211003868
Start Date:	2021-10-07 00:00	End Date:	2021-10-08 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.6	°C	
Pressure		708.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.583	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2168	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2725	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0392	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0304	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0213	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0590	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8501	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1170	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Janvier**  
Start Date: **2021-10-07 00:00**

Samp Use: **Exposure**  
Loc ID: **JANV**  
End Date: **2021-10-08 00:00**

Set Index: **1**  
WBEA ID: **211003875**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		5.3	°C	
Pressure		715.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1271	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1787	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0217	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0299	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0081	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0010	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0490	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9455	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1340	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211003885
Start Date:	2021-10-07 00:00	End Date:	2021-10-08 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.8	°C	
Pressure		729.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0862	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1965	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0128	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0358	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0178	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0360	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5768	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-10-07 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-10-08 00:00

Set Index: 1  
WBEA ID: 211003888  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.6	°C	
Pressure		733.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	49.833	µg/m <sup>3</sup>	V4
Calcium Ion	0.0021	0.3372	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.4207	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0606	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0392	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2159	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0985	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8372	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211003893
Start Date:	2021-10-07 00:00	End Date:	2021-10-08 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.5	°C	
Pressure		732.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	30.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2241	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.3300	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0364	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0356	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1262	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0779	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7072	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0158	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211003942
Start Date:	2021-10-12 11:45	End Date:	2021-10-12 11:46	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0183	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0009	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0013	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211003909
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.4	°C	
Pressure		707.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1792	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2313	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0359	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0417	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0196	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0461	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6357	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0094	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Ells River  
Start Date: 2021-10-13 00:00

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-10-14 00:00

Set Index: 1  
WBEA ID: 211003914  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.3	°C	
Pressure		728.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	33.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4362	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	1.6160	µg/m <sup>3</sup>	V4
Magnesium Ion	0.00005	0.0590	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0400	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1707	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0023	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1988	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.6844	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2681	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211003923
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.3	°C	
Pressure		714.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1497	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2091	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0356	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0332	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0115	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0444	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5876	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0016	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-10-13 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-10-14 00:00

Set Index: 1  
WBEA ID: 211003926  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.3	°C	
Pressure		732.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	33.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5619	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	1.6639	µg/m <sup>3</sup>	V4
Magnesium Ion	0.00005	0.0496	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0319	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2634	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0008	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1677	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.7588	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1808	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211003936
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.9	°C	
Pressure		731.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	35.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.0403	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	1.6355	µg/m <sup>3</sup>	V4
Magnesium Ion	0.00005	0.0434	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0292	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2150	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1312	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.5272	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2242	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211003948
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.3	°C	
Pressure		712.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1147	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1769	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0212	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0286	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0108	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0836	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6613	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0099	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-10-13 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-10-14 00:00**

Set Index: **1**  
WBEA ID: **211003956**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		6.5	°C	
Pressure		733.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2280	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2365	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0286	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0180	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0186	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1006	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5954	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0016	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Patricia McInnes**  
Start Date: **2021-10-13 00:00**

Samp Use: **Exposure**  
Loc ID: **PATM**  
End Date: **2021-10-14 00:00**

Set Index: **1**  
WBEA ID: **211003961**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		5.5	°C	
Pressure		723.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.583	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1920	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2129	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0300	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0343	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0233	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0363	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5694	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211004310
Start Date:	2021-10-18 11:55	End Date:	2021-10-18 11:56	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0152	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-10-19 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-10-20 00:00

Set Index: 1  
WBEA ID: 211004029  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.1	°C	
Pressure		743.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.9681	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.4390	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0143	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0179	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0265	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1119	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7840	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0030	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Ells River  
Start Date: 2021-10-19 00:00

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-10-20 00:00

Set Index: 1  
WBEA ID: 211004032  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.2	°C	
Pressure		739.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.5559	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0129	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0208	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0182	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0399	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.0420	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1039	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211004036
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.3	°C	
Pressure		742.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	21.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.7387	µg/m <sup>3</sup>	V4
Chloride Ion	0.0014	0.2966	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0233	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0141	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0458	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0585	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8713	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0022	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-10-19 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-10-20 00:00**

Set Index: **1**  
WBEA ID: **211004063**  
Duration: **24.0 hr**

---

### Notes

None

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### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		1.5	°C	
Pressure		744.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.208	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1435	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2329	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0184	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0104	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0117	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0007	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.4536	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211004069
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.1	°C	
Pressure		734.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0916	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2018	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0129	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0075	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.3779	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211004078
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.4	°C	
Pressure		722.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.542	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0680	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1854	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0099	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0027	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0054	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.3856	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211004314
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.6	°C	
Pressure		717.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1957	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2699	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0332	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0279	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0167	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.0623	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6003	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0002	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211004354
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.3	°C	
Pressure		724.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0900	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2013	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0185	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0027	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0060	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.4186	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0085	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Patricia McInnes  
Start Date: 2021-10-25 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-10-26 00:00

Set Index: 1  
WBEA ID: 211004409  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.4	°C	
Pressure		713.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0729	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1861	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0119	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0494	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0075	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.4517	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.7504	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.5345	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-10-25 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-10-26 00:00**

Set Index: **1**  
WBEA ID: **211004415**  
Duration: **24.0 hr**

---

### Notes

None

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### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		6.9	°C	
Pressure		723.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.583	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0948	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1904	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0156	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0431	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0100	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.3139	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.7300	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4854	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211004422
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.4	°C	
Pressure		702.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0472	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1821	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0104	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0361	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0058	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.3924	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.9164	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.5830	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211004430
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.7	°C	
Pressure		719.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1196	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1674	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0111	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0378	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0064	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.3611	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.6397	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4694	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	211004433
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, cassette came apart and filter dropped to the ground.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.0	°C	
Pressure		723.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1566	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1941	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0107	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0414	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0090	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0003	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3326	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.6043	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4617	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211004437
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.9	°C	
Pressure		722.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0687	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1623	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0087	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0369	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0064	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.3048	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.5652	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4161	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211004450
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.6	°C	
Pressure		696.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0571	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0114	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0336	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0070	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.3213	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	2.2303	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.6818	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211004487
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.1	°C	
Pressure		703.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0492	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1686	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0094	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0318	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0053	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1358	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.6654	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3999	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211004619
Start Date:	2021-10-26 12:40	End Date:	2021-10-26 12:41	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.1863	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0007	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0040	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.0433	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211004649
Start Date:	2021-10-27 14:35	End Date:	2021-10-27 14:36	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0610	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1731	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0011	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211004626
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.5	°C	
Pressure		725.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1414	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2320	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0129	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0156	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0122	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.4921	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211004631
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.9	°C	
Pressure		718.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2892	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.3820	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0333	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0026	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0485	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.3627	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211004643
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.7	°C	
Pressure		740.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2068	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.3253	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0168	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0076	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0510	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.3965	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-10-31 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-11-01 00:00

Set Index: 1  
WBEA ID: 211004646  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.6	°C	
Pressure		745.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1439	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2580	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0122	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0247	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.3809	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211004653
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.2	°C	
Pressure		742.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	16.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.3367	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2996	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0176	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0412	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0011	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0218	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4686	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211004705
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

---

### Notes

Power outage resulted in short sampling duration and low sample volume.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.2	°C	
Pressure		723.4	mmHg	
Sample Volume		23.9	m <sup>3</sup>	V6
Particulate Matter	0.042	3.013	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0560	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2037	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0107	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0114	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0099	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.4007	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Athabasca Valley  
Start Date: 2021-10-31 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-11-01 00:00

Set Index: 1  
WBEA ID: 211004714  
Duration: 24.0 hr

---

### Notes

Raining during sample collection.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.5	°C	
Pressure		745.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3191	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.3071	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0278	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0040	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0250	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0003	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0095	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3238	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Patricia McInnes**  
Start Date: **2021-10-31 00:00**

Samp Use: **Exposure**  
Loc ID: **PATM**  
End Date: **2021-11-01 00:00**

Set Index: **1**  
WBEA ID: **211004720**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		-2.4	°C	
Pressure		735.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1412	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2660	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0216	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0130	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0156	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.3284	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211104807
Start Date:	2021-11-05 13:25	End Date:	2021-11-05 13:26	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	0.0005	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211104744
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.4	°C	
Pressure		707.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0114	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0057	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0037	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0327	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0077	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0003	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.8802	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1142	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211104752
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.8	°C	
Pressure		701.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0318	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0094	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0069	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0283	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0098	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0003	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0924	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7853	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0580	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211104777
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.1	°C	
Pressure		726.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0194	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0027	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0245	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0047	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0016	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0423	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4978	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0022	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211104788
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.2	°C	
Pressure		723.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0166	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0068	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0029	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0005	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.4418	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-11-06 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-11-07 00:00

Set Index: 1  
WBEA ID: 211104791  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.0	°C	
Pressure		727.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0169	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0017	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0128	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0054	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0007	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1598	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4767	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211104794
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

---

### Notes

Low sample volume due to power blip on sample day.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.3	°C	
Pressure		706.3	mmHg	
Sample Volume		21.2	m <sup>3</sup>	V6
Particulate Matter	0.042	8.726	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0093	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0102	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0067	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0591	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0071	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0074	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2019	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8989	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0731	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-11-06 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-11-07 00:00**

Set Index: **1**  
WBEA ID: **211104804**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		2.1	°C	
Pressure		727.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1524	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0116	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0132	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0251	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0138	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0038	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.7380	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.1709	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2733	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211104811
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.0	°C	
Pressure		718.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0135	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0034	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0242	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0044	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0013	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2935	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.3998	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3546	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-11-09 08:39**

Samp Use: **Field Procedure Blank**  
Loc ID: **ATHV**  
End Date: **2021-11-09 08:40**

Set Index: **1**  
WBEA ID: **211104833**  
Duration: **0.0 hr**

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0007	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0008	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211104822
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.2	°C	
Pressure		714.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0357	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0045	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0322	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0209	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0038	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1921	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7838	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0523	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Patricia McInnes**  
Start Date: **2021-11-12 00:00**

Samp Use: **Exposure**  
Loc ID: **PATM**  
End Date: **2021-11-13 00:00**

Set Index: **1**  
WBEA ID: **211104828**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		-3.0	°C	
Pressure		726.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.583	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0356	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0198	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0050	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0437	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0439	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0030	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2293	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9677	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1308	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Athabasca Valley  
Start Date: 2021-11-12 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-11-13 00:00

Set Index: 1  
WBEA ID: 211104837  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.6	°C	
Pressure		735.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0524	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0224	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0113	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0476	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0383	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0031	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2413	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8914	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0919	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211104841
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.2	°C	
Pressure		730.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1007	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0067	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0057	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0359	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0240	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0011	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1538	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.6893	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3623	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-11-12 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-11-13 00:00

Set Index: 1  
WBEA ID: 211104844  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.1	°C	
Pressure		735.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	14.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2847	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0219	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0082	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0210	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0321	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0021	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2239	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.4034	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2304	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211104857
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.1	°C	
Pressure		733.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1918	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0142	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0076	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0266	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0276	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0030	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2125	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.3019	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2281	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211104870
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.9	°C	
Pressure		709.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0440	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0077	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0443	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0251	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0020	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2525	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.3028	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2714	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211104877
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.2	°C	
Pressure		716.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0451	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0044	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0374	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0265	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0017	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2210	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7043	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0389	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211104889
Start Date:	2021-11-15 10:45	End Date:	2021-11-15 10:46	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211104887
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.4	°C	
Pressure		710.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0225	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0027	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0486	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0136	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0027	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.8312	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6720	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2000	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-11-18 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-11-19 00:00**

Set Index: **1**  
WBEA ID: **211104897**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		-4.8	°C	
Pressure		732.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0391	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1181	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0060	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0577	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1273	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0052	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.4419	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8141	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3180	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Patricia McInnes  
Start Date: 2021-11-18 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-11-19 00:00

Set Index: 1  
WBEA ID: 211104904  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.5	°C	
Pressure		722.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0293	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0030	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0458	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0267	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0041	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.4308	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6629	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3439	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211104911
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-7.6	°C	
Pressure		726.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0467	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0417	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0076	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0019	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2461	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9952	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1513	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-11-18 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-11-19 00:00

Set Index: 1  
WBEA ID: 211104914  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.9	°C	
Pressure		731.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1219	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0029	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0232	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0088	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0006	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.4990	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6743	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1329	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211104923
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-7.9	°C	
Pressure		730.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1118	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0145	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0088	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0548	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0163	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0045	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.3380	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8172	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2220	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211104930
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.2	°C	
Pressure		710.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0475	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0136	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0052	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0653	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0387	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0021	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	4.1038	µg/m <sup>3</sup>	V4
Sulphate Ion	0.0001	1.0494	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4956	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211104960
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.3	°C	
Pressure		706.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0620	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0069	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0060	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0600	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0125	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0035	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	2.0457	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.0451	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.6353	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211105019
Start Date:	2021-11-23 16:35	End Date:	2021-11-23 16:36	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0014	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0014	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Athabasca Valley  
Start Date: 2021-11-24 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-11-25 00:00

Set Index: 1  
WBEA ID: 211104966  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C	
Pressure		744.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0756	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2560	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0173	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0196	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2940	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0024	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.0165	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7487	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0478	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211104973
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		733.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.958	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0549	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0847	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0191	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0279	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1940	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0005	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.1122	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7899	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0515	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211104985
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		736.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1136	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0706	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0204	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0287	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2016	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0005	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.9093	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.8944	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4503	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-11-24 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-11-25 00:00

Set Index: 1  
WBEA ID: 211104989  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		742.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.3478	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2008	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0225	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0155	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2307	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0012	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.8160	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7625	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0130	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211104991
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		741.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	15.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.4809	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.2500	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0275	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0184	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2532	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0024	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.9804	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9162	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0361	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211105006
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample partisol had a temp diff status code. Total sampling time: 24:00, valid sampling time: 22:54.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		719.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0724	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0327	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0103	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0232	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1464	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0009	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.9361	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9557	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1197	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211105021
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		714.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0361	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1293	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0116	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0358	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2317	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0017	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.0126	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.0481	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1640	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211105030
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		719.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0363	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0136	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0118	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0160	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.1499	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0010	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.8403	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8241	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0126	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211105079
Start Date:	2021-11-26 13:15	End Date:	2021-11-26 13:16	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	-8888	µg/m <sup>3</sup>	V1
Fluoride Ion	0.00001	0.0007	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211105036
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.1	°C	
Pressure		717.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0776	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0331	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0040	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0298	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0477	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0053	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.5363	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6835	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0546	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-11-30 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-12-01 00:00**

Set Index: **1**  
WBEA ID: **211105043**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		-3.7	°C	
Pressure		729.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.458	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.2375	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.3827	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0085	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0619	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.2806	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0021	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.1084	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6657	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0789	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211105046
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.8	°C	
Pressure		706.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0225	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0080	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0025	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0105	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0142	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.4040	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211105054
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.0	°C	
Pressure		722.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	20.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.3962	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0797	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0164	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0150	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0819	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0010	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.5400	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8781	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0265	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211105060
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.0	°C	
Pressure		726.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	22.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.4703	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.1270	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0196	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0159	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0848	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0015	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.5066	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7649	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0008	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-11-30 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-12-01 00:00

Set Index: 1  
WBEA ID: 211105070  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.2	°C	
Pressure		727.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	15.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	1.0117	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0695	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0147	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0078	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0672	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0017	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.4134	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7477	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211105073
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.8	°C	
Pressure		700.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0137	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0055	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	0.0128	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0135	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0010	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.3663	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211105083
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 19:44.  
Unknown reason for low sample mass.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.1	°C	
Pressure		705.0	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Calcium Ion	0.0021	-9999	µg/m <sup>3</sup>	M2
Chloride Ion	0.0014	-9999	µg/m <sup>3</sup>	M2
Magnesium Ion	0.00005	-9999	µg/m <sup>3</sup>	M2
Potassium Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Sodium Ion	0.0006	-9999	µg/m <sup>3</sup>	M2
Fluoride Ion	0.00001	-9999	µg/m <sup>3</sup>	M2
Nitrate Ion	0.0002	-9999	µg/m <sup>3</sup>	M2
Sulphate Ion	0.0001	-9999	µg/m <sup>3</sup>	M2
Phosphate Ion	0.0018	-9999	µg/m <sup>3</sup>	M2
Ammonium Ion	0.00004	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205145
Start Date:	2021-12-03 15:45	End Date:	2021-12-03 15:46	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0047	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0012	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0003	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	0.0858	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205098
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-20.0	°C	
Pressure		713.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0250	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0085	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0047	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0241	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0023	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2522	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4707	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-12-06 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-12-07 00:00**

Set Index: **1**  
WBEA ID: **211205112**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		-25.0	°C	
Pressure		738.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.583	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0268	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0026	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0115	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0583	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0010	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3339	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4111	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211205117
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		727.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.583	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0256	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0076	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0127	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0352	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0015	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.4621	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4539	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211205123
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		708.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0232	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0069	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0202	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0410	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0021	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3506	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4354	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205128
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		713.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0161	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0052	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0051	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0328	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.2175	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3760	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-12-06 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-12-07 00:00

Set Index: 1  
WBEA ID: 211205135  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-27.0	°C	
Pressure		736.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.917	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0741	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0018	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0102	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0111	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0546	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0003	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.4403	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.5993	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211205137
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C	
Pressure		728.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0444	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0178	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0023	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0361	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0006	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2791	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3983	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205151
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C	
Pressure		734.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1798	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0032	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0262	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0530	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0746	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0029	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.7792	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9382	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0711	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211205250
Start Date:	2021-12-10 11:00	End Date:	2021-12-10 11:01	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0025	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0030	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Ells River  
Start Date: 2021-12-12 00:00

Samp Use: Exposure  
Loc ID: ELSR  
End Date: 2021-12-13 00:00

Set Index: 1  
WBEA ID: 211205181  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		717.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0387	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0136	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0058	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0605	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0026	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2498	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7118	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	211205185
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C	
Pressure		723.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.750	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0786	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0124	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0076	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0394	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0012	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2123	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6397	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211205220
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C	
Pressure		696.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0252	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0074	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0304	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0395	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0075	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0515	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.1844	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0472	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205226
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		700.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0275	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0083	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0300	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0536	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0028	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1748	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.2101	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0533	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205237
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		721.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0459	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0142	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0101	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0503	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0031	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.2476	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7317	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Patricia McInnes**  
Start Date: **2021-12-12 00:00**

Samp Use: **Exposure**  
Loc ID: **PATM**  
End Date: **2021-12-13 00:00**

Set Index: **1**  
WBEA ID: **211205256**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		-13.0	°C	
Pressure		708.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0399	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0093	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0320	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0395	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0028	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3588	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.1770	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1743	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205263
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C	
Pressure		701.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0343	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0093	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0284	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0380	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0035	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1717	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.2954	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1009	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Athabasca Valley  
Start Date: 2021-12-12 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-12-13 00:00

Set Index: 1  
WBEA ID: 211205269  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C	
Pressure		724.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0578	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0117	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0384	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0485	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0033	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3917	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8888	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0272	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211205325
Start Date:	2021-12-17 15:55	End Date:	2021-12-17 15:56	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.167	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0011	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0003	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-12-18 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-12-19 00:00

Set Index: 1  
WBEA ID: 211205273  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		732.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0700	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0178	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0512	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0607	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0042	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.4956	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.4243	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.5635	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Ells River**  
Start Date: **2021-12-18 00:00**

Samp Use: **Exposure**  
Loc ID: **ELSR**  
End Date: **2021-12-19 00:00**

Set Index: **1**  
WBEA ID: **211205276**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		-24.0	°C	
Pressure		723.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1145	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0014	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0263	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0652	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0700	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0054	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.9740	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9455	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.4042	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205282
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-20.0	°C	
Pressure		711.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0409	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0122	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0721	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0544	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0042	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	2.1688	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9591	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.6236	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211205291
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		707.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0669	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0344	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0883	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0563	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0106	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	2.6046	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8889	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.8040	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Patricia McInnes**  
Start Date: **2021-12-18 00:00**

Samp Use: **Exposure**  
Loc ID: **PATM**  
End Date: **2021-12-19 00:00**

Set Index: **1**  
WBEA ID: **211205299**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		-23.0	°C	
Pressure		720.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0372	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0228	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0604	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0523	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0059	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.6428	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.9066	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.3429	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205309
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C	
Pressure		732.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.667	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0158	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0196	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0729	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0790	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0044	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.8500	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.3975	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.5820	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205319
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-20.0	°C	
Pressure		712.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.417	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0700	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0333	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0369	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0666	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0063	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.9700	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.0321	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.5043	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Athabasca Valley  
Start Date: 2021-12-18 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-12-19 00:00

Set Index: 1  
WBEA ID: 211205331  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-21.0	°C	
Pressure		737.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0548	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0019	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0145	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0507	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0732	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0044	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.4648	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8226	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.2097	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205349
Start Date:	2021-12-21 11:30	End Date:	2021-12-21 11:31	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	0.0053	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0016	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0035	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0009	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0008	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211205338
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		717.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.042	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0051	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0212	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1047	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3696	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211205342
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		733.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.833	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0363	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0108	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0096	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0415	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0017	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.3364	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7012	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205353
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		708.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0256	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0080	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0023	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0214	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0015	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0135	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.6662	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211205362
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		702.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.708	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0321	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0122	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0069	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0163	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0018	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0772	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7191	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205370
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		707.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.500	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0185	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0064	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0050	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.0187	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0015	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.0951	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.7623	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205378
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		729.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0251	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0016	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0065	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0321	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0002	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1652	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4067	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211205389
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		725.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.333	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0220	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0076	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0302	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0008	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.1675	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3994	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-12-24 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-12-25 00:00

Set Index: 1  
WBEA ID: 211205392  
Duration: 24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		729.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0166	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	0.0061	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0219	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	0.1123	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3280	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211205472
Start Date:	2021-12-29 10:05	End Date:	2021-12-29 10:06	Duration:	0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	-8888	µg/m <sup>3</sup>	V1
Chloride Ion	0.0014	-8888	µg/m <sup>3</sup>	V1
Magnesium Ion	0.00005	-8888	µg/m <sup>3</sup>	V1
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.0024	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	-8888	µg/m <sup>3</sup>	V1
Nitrate Ion	0.0002	-8888	µg/m <sup>3</sup>	V1
Sulphate Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211205454
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

---

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 10:33.

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-32.0	°C	
Pressure		721.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.375	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0621	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0242	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0592	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.1102	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.3929	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0036	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.1602	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.4100	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.1127	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PM10 Ion**  
Location: **Athabasca Valley**  
Start Date: **2021-12-30 00:00**

Samp Use: **Exposure**  
Loc ID: **ATHV**  
End Date: **2021-12-31 00:00**

Set Index: **1**  
WBEA ID: **211205460**  
Duration: **24.0 hr**

---

### Notes

None

---

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		-31.0	°C	
Pressure		738.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.1710	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0370	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0680	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0514	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.3982	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0096	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.1290	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8749	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205464
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-29.0	°C	
Pressure		711.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.875	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0770	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0282	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0676	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0481	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.5162	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0031	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.3525	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.3226	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0837	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211205476
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-29.0	°C	
Pressure		705.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.250	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0715	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0276	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0806	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0384	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.4920	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0027	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	1.1609	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	1.2469	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0689	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205483
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-30.0	°C	
Pressure		711.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.292	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0420	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0384	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0578	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	0.0281	µg/m <sup>3</sup>	V0
Sodium Ion	0.0006	0.4956	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0025	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.7788	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.8988	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	0.0070	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211205506
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

---

### Notes

None

---

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-33.0	°C	
Pressure		729.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.625	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0491	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0430	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0440	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.3754	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0034	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.4995	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.3817	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

---

### Deployment Information

Sample Type: PM10 Ion  
Location: Fort McKay South  
Start Date: 2021-12-30 00:00

Samp Use: Exposure  
Loc ID: FMCS  
End Date: 2021-12-31 00:00

Set Index: 1  
WBEA ID: 211205509  
Duration: 24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-33.0	°C	
Pressure		733.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.125	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0428	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0232	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0245	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.2296	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0040	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.8828	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.1569	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100069
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

---

### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-32.0	°C	
Pressure		733.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.083	µg/m <sup>3</sup>	V0
Calcium Ion	0.0021	0.0526	µg/m <sup>3</sup>	V0
Chloride Ion	0.0014	0.0381	µg/m <sup>3</sup>	V0
Magnesium Ion	0.00005	0.0553	µg/m <sup>3</sup>	V0
Potassium Ion	0.0001	-8888	µg/m <sup>3</sup>	V1
Sodium Ion	0.0006	0.3632	µg/m <sup>3</sup>	V0
Fluoride Ion	0.00001	0.0042	µg/m <sup>3</sup>	V0
Nitrate Ion	0.0002	0.6197	µg/m <sup>3</sup>	V0
Sulphate Ion	0.0001	0.4400	µg/m <sup>3</sup>	V0
Phosphate Ion	0.0018	-8888	µg/m <sup>3</sup>	V1
Ammonium Ion	0.00004	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 210100029
Start Date:	2021-01-03 12:32	End Date:	2021-01-03 12:33	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000086	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000057	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000021	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000528	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000033	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.003369	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000041	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000082	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000103	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000110	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000660	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000057	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.011081	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.002114	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000023	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.010047	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000077	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000040	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000281	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001032	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000048	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	21010003
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C	
Pressure		705.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.012367	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000052	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000047	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000664	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000018	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.039786	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000020	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000720	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000017	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000172	µg/m <sup>3</sup>	V0
Iron	0.001585	0.027245	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000121	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000028	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005923	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000803	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000281	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000345	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000076	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.012984	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.025827	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000052	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.035510	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.022766	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000132	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000249	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000053	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001213	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000055	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.001535	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000281	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210100016
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

### Notes

Warning alarm on Partisol of Temp Diff (R1) and sample Period (P) during sample collection: Valid= 03:56; Total=24:00

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		728.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.059100	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000355	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000096	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006153	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000024	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.309135	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000131	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000010	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001108	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000052	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001730	µg/m <sup>3</sup>	V0
Iron	0.001585	0.101545	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000056	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000182	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000087	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.027191	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.007308	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000506	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000038	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000563	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000117	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021586	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.144408	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000390	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.164873	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.104036	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000992	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000366	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000252	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.004622	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000171	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.001887	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.014877	µg/m <sup>3</sup>	V4



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100025
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-7.3	°C	
Pressure		699.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000062	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000024	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000435	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000013	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.023001	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000415	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000011	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000057	µg/m <sup>3</sup>	V0
Iron	0.001585	0.015794	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000123	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000019	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002362	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000364	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000078	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	-8888	µg/m <sup>3</sup>	V1
Niobium	0.000006	0.000195	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.014725	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.015408	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000033	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.010624	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000059	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000611	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000017	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000038	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000627	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000093	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000071	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210100033
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		717.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.044992	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000163	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000071	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002029	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000013	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.102354	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000073	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000804	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000041	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000753	µg/m <sup>3</sup>	V0
Iron	0.001585	0.060347	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000032	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000139	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000062	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.018143	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001960	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000404	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000650	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000052	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.015576	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.055684	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000150	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.052562	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.052666	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000336	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000140	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000205	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003681	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000083	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.002155	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003206	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100042
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		725.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.072231	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000062	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000045	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001659	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.128925	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000094	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000629	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000048	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000579	µg/m <sup>3</sup>	V0
Iron	0.001585	0.085574	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000043	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000073	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000121	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.020126	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003385	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000293	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000036	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000433	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000064	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.022267	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.049621	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000156	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.200322	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.025999	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000431	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000249	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000067	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000106	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003964	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000092	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000709	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004331	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210100051
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C	
Pressure		722.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.020992	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000020	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000030	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000367	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.032020	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000026	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000623	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000033	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000084	µg/m <sup>3</sup>	V0
Iron	0.001585	0.024104	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000034	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000053	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.006713	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000673	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000125	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000331	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000071	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.020440	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.016632	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000040	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.070130	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.014190	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000117	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000290	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000097	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000065	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001419	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000071	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000207	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000275	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210100054
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		726.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.034308	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000044	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000033	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000937	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.067234	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000046	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000622	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000035	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000308	µg/m <sup>3</sup>	V0
Iron	0.001585	0.051285	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000020	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000040	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000057	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.010514	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001891	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000199	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000233	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000088	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018547	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.028998	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000080	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.148407	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.011945	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000223	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000305	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000026	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000028	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002022	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000091	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000463	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000896	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210100058
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		708.5	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	4.191	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.005147	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000139	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000043	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000539	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000025	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.018621	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000021	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000906	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000015	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000097	µg/m <sup>3</sup>	V0
Iron	0.001585	0.018249	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000092	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000029	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004258	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000373	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000187	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000283	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000203	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.016956	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.024182	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000047	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.012217	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.024163	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000096	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000592	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000022	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000077	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000821	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000127	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000574	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PM10 Metal**      Samp Use: **Field Procedure Blank**      Set Index: **1**  
Location: **Janvier**      Loc ID: **JANV**      WBEA ID: **210100111**  
Start Date: **2021-01-07 15:05**      End Date: **2021-01-07 15:06**      Duration: **0.0 hr**

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000005	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000056	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000719	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000011	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.004637	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000022	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.000344	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000091	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000034	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000155	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000065	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018088	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.004146	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.032867	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000013	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000321	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000033	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000020	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000574	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000042	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100068
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.1	°C	
Pressure		711.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.016744	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000060	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000211	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000477	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000065	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.042124	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000020	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000712	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000018	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000042	µg/m <sup>3</sup>	V0
Iron	0.001585	0.018134	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000279	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000126	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000037	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.008858	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000581	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000062	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000226	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000060	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018983	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.048302	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000084	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.071363	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.059746	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000150	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000279	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000048	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000060	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000840	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000056	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000112	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001769	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100075
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.1	°C	
Pressure		729.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	16.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.060815	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000163	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000109	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002168	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000085	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.125149	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000110	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001274	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000052	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000856	µg/m <sup>3</sup>	V0
Iron	0.001585	0.072554	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000092	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000211	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000081	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.021083	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003163	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000393	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000040	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001679	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000035	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.011851	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.170323	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000326	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.029713	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.080415	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000543	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000065	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000094	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.004909	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000071	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.003716	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.013358	µg/m <sup>3</sup>	V4



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210100080
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		730.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.035876	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000116	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000100	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001584	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000048	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.063342	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000059	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000789	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000038	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000528	µg/m <sup>3</sup>	V0
Iron	0.001585	0.050341	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000061	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000166	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000057	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.012850	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001963	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000234	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000618	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000084	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.017052	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.073551	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000144	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.117245	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.058083	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000269	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000279	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000020	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000053	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002932	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000087	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.001152	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005937	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210100083
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.4	°C	
Pressure		725.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.025752	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000045	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000073	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000469	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000039	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.035149	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000028	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000556	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000118	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000126	µg/m <sup>3</sup>	V0
Iron	0.001585	0.026874	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000093	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000037	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.008787	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000646	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000070	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001039	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000069	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.016464	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.047838	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000085	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.110074	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.095552	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000145	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000277	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000019	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001609	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000127	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000117	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002222	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210100088
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.1	°C	
Pressure		722.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.017768	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000645	µg/m <sup>3</sup>	V4
Arsenic	0.000005	0.000140	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004780	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000016	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000077	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.066122	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000057	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001113	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000027	µg/m <sup>3</sup>	V0
Copper	0.000027	0.002114	µg/m <sup>3</sup>	V0
Iron	0.001585	0.073995	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000047	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000327	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000038	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.010879	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001656	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000178	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000301	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000082	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.016293	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.089206	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000168	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.080281	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.080023	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000270	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000243	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000433	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002999	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000071	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000136	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005100	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210100093
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 15:48.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C	
Pressure		732.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.007197	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000445	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000107	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003697	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000035	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.036108	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000046	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000849	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000026	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001914	µg/m <sup>3</sup>	V0
Iron	0.001585	0.055231	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000042	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000161	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.005925	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000778	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000134	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000211	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000026	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.041481	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000066	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.076928	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000163	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000065	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000323	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002320	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000061	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000067	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002574	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100101
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.5	°C	
Pressure		706.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	15.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.044942	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000423	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000799	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001272	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000014	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000044	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000151	µg/m <sup>3</sup>	V4
Calcium	0.013042	0.091098	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000076	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000034	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001309	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000100	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000587	µg/m <sup>3</sup>	V0
Iron	0.001585	0.055768	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000145	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000674	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000180	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.013537	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002032	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000337	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000040	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000357	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000375	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000393	µg/m <sup>3</sup>	V4
Phosphorus	0.003480	0.005303	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.106088	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000025	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000240	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000022	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000182	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.101732	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000041	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.055426	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000327	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002851	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.002853	µg/m <sup>3</sup>	V4
Thorium	0.000002	0.000020	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000135	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002453	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000860	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000011	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000254	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.007124	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210100117
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.5	°C	
Pressure		714.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.025870	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000221	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000417	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000927	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000011	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000084	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.060787	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000043	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000008	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000307	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000027	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000307	µg/m <sup>3</sup>	V0
Iron	0.001585	0.032020	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000088	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000431	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000107	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.008054	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001133	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000193	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000019	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000136	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000225	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000081	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.010916	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.067609	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000123	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.133216	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.035153	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000207	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001149	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000725	µg/m <sup>3</sup>	V4
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000059	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001630	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000313	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000150	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004695	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: <b>PM10 Metal</b>	Samp Use: <b>Field Procedure Blank</b>	Set Index: <b>1</b>
Location: <b>Bertha Ganter - Fort McKay</b>	Loc ID: <b>BGFM</b>	WBEA ID: <b>210100138</b>
Start Date: <b>2021-01-11 14:40</b>	End Date: <b>2021-01-11 14:41</b>	Duration: <b>0.0 hr</b>

### Notes

Field Flag: 'B', Field Blank.  
 Mass Flag: 'b1', Field/-dynamic blank.  
 Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000027	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000302	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000023	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000033	µg/m <sup>3</sup>	V0
Iron	0.001585	0.001959	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000041	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000043	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000069	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000103	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000077	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.015280	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.006261	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.018266	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000334	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000220	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001233	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000072	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100129
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.3	°C	
Pressure		706.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.012301	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000023	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000044	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000273	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.024832	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000014	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000523	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000030	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.010457	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000056	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005676	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000295	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000063	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000174	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000098	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.015943	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.016526	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000022	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.052879	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.034553	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000082	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000398	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000312	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001279	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000105	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000043	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Janvier	Loc ID:	JANV
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00
		Set Index:	1
		WBEA ID:	210100136
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.6	°C	
Pressure		714.1	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	2.116	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.009944	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000202	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000215	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000556	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000019	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.027798	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.061020	µg/m <sup>3</sup>	V4
Cobalt	0.000005	0.247414	µg/m <sup>3</sup>	V4
Copper	0.000027	0.000088	µg/m <sup>3</sup>	V0
Iron	0.001585	0.017036	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000103	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000078	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004074	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000362	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000115	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.085491	µg/m <sup>3</sup>	V4
Niobium	0.000006	0.000126	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000050	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.022947	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.022357	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000035	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.100136	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.025906	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000099	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000534	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000443	µg/m <sup>3</sup>	V4
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000041	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000712	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.009076	µg/m <sup>3</sup>	V4
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000122	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100148
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.8	°C	
Pressure		730.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.133881	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000024	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000037	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001005	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.099144	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000147	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000655	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000050	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000153	µg/m <sup>3</sup>	V0
Iron	0.001585	0.103281	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000068	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000067	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000178	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.020701	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003014	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000091	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000064	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000260	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000086	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.017256	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.049268	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000182	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000011	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.393896	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.018483	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000357	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000348	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000089	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000017	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.006078	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000140	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000415	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000588	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Ells River	Loc ID:	ELSR
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00
		Set Index:	1
		WBEA ID:	210100153
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.5	°C	
Pressure		727.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.030588	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000037	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000024	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000357	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000018	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.030738	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000038	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000799	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000036	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000416	µg/m <sup>3</sup>	V0
Iron	0.001585	0.040259	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000063	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000052	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.006340	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000894	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000124	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000017	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000219	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000069	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.016354	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.027227	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000066	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.138621	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.013839	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000127	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000228	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000009	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001983	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000061	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000263	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210100156
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.7	°C	
Pressure		731.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.149812	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000029	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000029	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001280	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000013	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.131960	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000171	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000011	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001155	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000075	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000288	µg/m <sup>3</sup>	V0
Iron	0.001585	0.121695	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000076	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000083	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000189	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.023855	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004058	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000127	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000068	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000412	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000085	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.028722	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.058343	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000017	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000210	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000011	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.457364	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.026000	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000416	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000280	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000021	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.007328	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000125	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000451	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000226	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100159
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.4	°C	
Pressure		711.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010538	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000036	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000017	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000380	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000016	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.031711	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000822	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000022	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000166	µg/m <sup>3</sup>	V0
Iron	0.001585	0.038922	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000028	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000032	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.003178	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000689	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000080	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000258	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000067	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.009462	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.022587	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000037	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.065059	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.007863	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000078	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000282	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000046	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000779	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000047	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000296	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210100167
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 10:03.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.1	°C	
Pressure		732.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.163839	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000245	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000056	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004254	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000028	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.678769	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000225	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000012	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000833	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000092	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001193	µg/m <sup>3</sup>	V0
Iron	0.001585	0.150589	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000105	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000142	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000200	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.054024	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.006961	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000237	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000099	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000492	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000097	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.023999	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.130634	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000024	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000381	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000018	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.573480	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.120558	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001386	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000337	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000136	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000158	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.007683	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000131	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000956	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.009399	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210100172
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.5	°C	
Pressure		723.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.150612	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000105	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000059	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002385	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000022	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.305438	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000200	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000013	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001030	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000089	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001360	µg/m <sup>3</sup>	V0
Iron	0.001585	0.145310	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000088	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000196	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000204	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.034661	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003313	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000369	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000091	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000544	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000094	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.022769	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.078364	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000021	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000272	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000015	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.761091	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.050087	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000634	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000337	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000064	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000096	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.006867	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000103	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001169	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002071	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210100248
Start Date:	2021-01-20 15:00	End Date:	2021-01-20 15:01	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000104	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000108	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	0.000014	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000030	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.015663	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000014	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000836	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000023	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000300	µg/m <sup>3</sup>	V0
Iron	0.001585	0.004676	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000139	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000254	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000289	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000377	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000353	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000254	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.023405	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.011452	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000019	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.013440	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000013	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000019	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.003453	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.002854	µg/m <sup>3</sup>	V4
Thorium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000025	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000536	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001083	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000031	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210100185
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		732.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.053954	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000028	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000025	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000532	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.082393	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000068	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000789	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000035	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.065067	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000032	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000030	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000087	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.023291	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001200	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000099	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000031	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000240	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000212	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000057	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.026232	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.021213	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000069	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.337713	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.079348	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000302	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000657	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000066	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000016	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002919	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000201	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000166	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Fort McKay South	Loc ID:	FMCS
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00
		Set Index:	1
		WBEA ID:	210100188
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		737.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.253773	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000035	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000060	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002174	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.224803	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000310	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000018	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001000	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000131	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000303	µg/m <sup>3</sup>	V0
Iron	0.001585	0.215280	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000140	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000086	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000287	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.061207	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004321	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000117	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000132	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000572	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000089	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021331	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.078674	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000033	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000335	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000023	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.098968	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.102436	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000873	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000273	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000024	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000010	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.011066	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000190	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000687	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100193
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		736.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.168975	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000078	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000043	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001478	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.152855	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000230	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000014	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000987	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000075	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000177	µg/m <sup>3</sup>	V0
Iron	0.001585	0.146448	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000113	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000106	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000194	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.046592	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003134	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000101	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000108	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000404	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000111	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021732	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.045363	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000036	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000214	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000027	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.675706	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.088675	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000617	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000335	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000039	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000021	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000012	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.007451	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000122	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000008	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000469	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100205
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

### Notes

The glass jar on the cyclone head was broken during sample collection. Unsure if the jar was broken before or after the sample day.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C	
Pressure		708.5	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Aluminum	0.002800	-9999	µg/m <sup>3</sup>	M2
Antimony	0.000016	-9999	µg/m <sup>3</sup>	M2
Arsenic	0.000005	-9999	µg/m <sup>3</sup>	M2
Barium	0.000054	-9999	µg/m <sup>3</sup>	M2
Beryllium	0.000013	-9999	µg/m <sup>3</sup>	M2
Bismuth	0.000004	-9999	µg/m <sup>3</sup>	M2
Cadmium	0.000011	-9999	µg/m <sup>3</sup>	M2
Calcium	0.013042	-9999	µg/m <sup>3</sup>	M2
Cerium	0.000013	-9999	µg/m <sup>3</sup>	M2
Cesium	0.000004	-9999	µg/m <sup>3</sup>	M2
Chromium	0.000045	-9999	µg/m <sup>3</sup>	M2
Cobalt	0.000005	-9999	µg/m <sup>3</sup>	M2
Copper	0.000027	-9999	µg/m <sup>3</sup>	M2
Iron	0.001585	-9999	µg/m <sup>3</sup>	M2
Lanthanum	0.000004	-9999	µg/m <sup>3</sup>	M2
Lead	0.000018	-9999	µg/m <sup>3</sup>	M2
Lithium	0.000016	-9999	µg/m <sup>3</sup>	M2
Magnesium	0.000279	-9999	µg/m <sup>3</sup>	M2
Manganese	0.000028	-9999	µg/m <sup>3</sup>	M2
Molybdenum	0.000025	-9999	µg/m <sup>3</sup>	M2
Neodymium	0.000005	-9999	µg/m <sup>3</sup>	M2
Nickel	0.000015	-9999	µg/m <sup>3</sup>	M2
Niobium	0.000006	-9999	µg/m <sup>3</sup>	M2
Palladium	0.000050	-9999	µg/m <sup>3</sup>	M2
Phosphorus	0.003480	-9999	µg/m <sup>3</sup>	M2
Platinum	0.000004	-9999	µg/m <sup>3</sup>	M2
Potassium	0.000402	-9999	µg/m <sup>3</sup>	M2
Praseodymium	0.000002	-9999	µg/m <sup>3</sup>	M2
Rubidium	0.000003	-9999	µg/m <sup>3</sup>	M2
Samarium	0.000006	-9999	µg/m <sup>3</sup>	M2
Selenium	0.000133	-9999	µg/m <sup>3</sup>	M2
Silicon	0.010200	-9999	µg/m <sup>3</sup>	M2
Silver	0.000006	-9999	µg/m <sup>3</sup>	M2
Sodium	0.000777	-9999	µg/m <sup>3</sup>	M2
Strontium	0.000012	-9999	µg/m <sup>3</sup>	M2
Tantalum	0.000003	-9999	µg/m <sup>3</sup>	M2
Thallium	0.000005	-9999	µg/m <sup>3</sup>	M2
Thorium	0.000002	-9999	µg/m <sup>3</sup>	M2
Tin	0.000008	-9999	µg/m <sup>3</sup>	M2
Titanium	0.000031	-9999	µg/m <sup>3</sup>	M2
Tungsten	0.000005	-9999	µg/m <sup>3</sup>	M2
Uranium	0.000003	-9999	µg/m <sup>3</sup>	M2
Vanadium	0.000018	-9999	µg/m <sup>3</sup>	M2
Zinc	0.000149	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210100209
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C	
Pressure		717.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.011072	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000034	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000045	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000256	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.032215	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000015	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000695	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000014	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000230	µg/m <sup>3</sup>	V0
Iron	0.001585	0.015743	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000051	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000024	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.012243	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000412	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000321	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000292	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000063	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.023403	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.010083	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000020	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.058696	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.057297	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000114	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000241	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000080	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001050	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000055	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.002275	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210100233
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C	
Pressure		737.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.125462	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000074	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000022	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001880	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.510833	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000155	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001078	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000148	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000396	µg/m <sup>3</sup>	V0
Iron	0.001585	0.107577	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000073	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000058	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000136	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.042117	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003406	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000151	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000066	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001115	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000066	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.020080	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.066045	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000226	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000012	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.410278	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.091781	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000929	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000220	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000032	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005899	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000143	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000313	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000786	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100242
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C	
Pressure		715.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.013032	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000026	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000243	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.035309	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000017	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000545	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000015	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.016884	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.009715	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000357	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000079	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000167	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000043	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.014605	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.011103	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000020	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.084676	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.035258	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000112	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000173	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001141	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000051	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000336	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210100250
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		727.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.082601	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000094	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000061	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001545	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000015	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.337607	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000109	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000012	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000740	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000045	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000370	µg/m <sup>3</sup>	V0
Iron	0.001585	0.070107	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000049	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000065	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000154	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.032340	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002661	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000254	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000046	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000300	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000115	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000101	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.031304	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.065424	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000205	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000010	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.227076	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.067372	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000625	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000377	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000690	µg/m <sup>3</sup>	V4
Thorium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000064	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.004232	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000193	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000517	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001474	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 210100305
Start Date:	2021-01-27 12:00	End Date:	2021-01-27 12:01	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000025	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000013	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000744	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000013	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.004418	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000024	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000051	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000043	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000119	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000122	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018619	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.003867	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.017344	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.064779	µg/m <sup>3</sup>	V4
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000408	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000049	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000296	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000103	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100262
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		737.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	14.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.258489	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000055	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000077	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002722	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.474863	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000300	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000021	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001104	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000122	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000695	µg/m <sup>3</sup>	V0
Iron	0.001585	0.237037	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000137	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000128	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000304	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.053061	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.005274	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000359	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000129	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000986	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000081	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.024955	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.097100	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000032	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000401	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000021	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.895184	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.060111	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001090	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000198	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000025	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000041	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.013580	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000143	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002466	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002482	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210100268
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		733.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.077074	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000031	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000030	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000849	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.062179	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000078	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000008	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000942	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000050	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000219	µg/m <sup>3</sup>	V0
Iron	0.001585	0.075556	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000038	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000039	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000105	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.016688	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001153	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000122	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000035	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000275	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000132	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.028478	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.029325	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000131	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.619179	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.018595	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000244	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000476	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000045	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000022	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003861	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000194	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000405	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210100271
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		738.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.169305	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000096	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000109	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001498	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000018	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.193185	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000190	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000018	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001365	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000094	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000681	µg/m <sup>3</sup>	V0
Iron	0.001585	0.147834	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000088	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000071	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000300	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.030919	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003264	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000342	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000088	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000610	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000636	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000147	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.025483	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.062877	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000023	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000254	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000017	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.073079	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.039373	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000609	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.006494	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000255	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000025	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000086	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.008002	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001298	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001244	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100278
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C	
Pressure		716.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.011988	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000030	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000013	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000353	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.045382	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000016	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000496	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000013	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.020162	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000045	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000017	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004579	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000591	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000065	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000076	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000124	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000057	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.015151	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.021399	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000017	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000045	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.070848	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.010087	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000101	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000222	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000956	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000051	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000241	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100285
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

### Notes

The glass jar on the cyclone head was broken on arrival. I did not have a replacement jar with me so the sample was deployed as normal.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		710.3	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Aluminum	0.002800	-9999	µg/m <sup>3</sup>	M2
Antimony	0.000016	-9999	µg/m <sup>3</sup>	M2
Arsenic	0.000005	-9999	µg/m <sup>3</sup>	M2
Barium	0.000054	-9999	µg/m <sup>3</sup>	M2
Beryllium	0.000013	-9999	µg/m <sup>3</sup>	M2
Bismuth	0.000004	-9999	µg/m <sup>3</sup>	M2
Cadmium	0.000011	-9999	µg/m <sup>3</sup>	M2
Calcium	0.013042	-9999	µg/m <sup>3</sup>	M2
Cerium	0.000013	-9999	µg/m <sup>3</sup>	M2
Cesium	0.000004	-9999	µg/m <sup>3</sup>	M2
Chromium	0.000045	-9999	µg/m <sup>3</sup>	M2
Cobalt	0.000005	-9999	µg/m <sup>3</sup>	M2
Copper	0.000027	-9999	µg/m <sup>3</sup>	M2
Iron	0.001585	-9999	µg/m <sup>3</sup>	M2
Lanthanum	0.000004	-9999	µg/m <sup>3</sup>	M2
Lead	0.000018	-9999	µg/m <sup>3</sup>	M2
Lithium	0.000016	-9999	µg/m <sup>3</sup>	M2
Magnesium	0.000279	-9999	µg/m <sup>3</sup>	M2
Manganese	0.000028	-9999	µg/m <sup>3</sup>	M2
Molybdenum	0.000025	-9999	µg/m <sup>3</sup>	M2
Neodymium	0.000005	-9999	µg/m <sup>3</sup>	M2
Nickel	0.000015	-9999	µg/m <sup>3</sup>	M2
Niobium	0.000006	-9999	µg/m <sup>3</sup>	M2
Palladium	0.000050	-9999	µg/m <sup>3</sup>	M2
Phosphorus	0.003480	-9999	µg/m <sup>3</sup>	M2
Platinum	0.000004	-9999	µg/m <sup>3</sup>	M2
Potassium	0.000402	-9999	µg/m <sup>3</sup>	M2
Praseodymium	0.000002	-9999	µg/m <sup>3</sup>	M2
Rubidium	0.000003	-9999	µg/m <sup>3</sup>	M2
Samarium	0.000006	-9999	µg/m <sup>3</sup>	M2
Selenium	0.000133	-9999	µg/m <sup>3</sup>	M2
Silicon	0.010200	-9999	µg/m <sup>3</sup>	M2
Silver	0.000006	-9999	µg/m <sup>3</sup>	M2
Sodium	0.000777	-9999	µg/m <sup>3</sup>	M2
Strontium	0.000012	-9999	µg/m <sup>3</sup>	M2
Tantalum	0.000003	-9999	µg/m <sup>3</sup>	M2
Thallium	0.000005	-9999	µg/m <sup>3</sup>	M2
Thorium	0.000002	-9999	µg/m <sup>3</sup>	M2
Tin	0.000008	-9999	µg/m <sup>3</sup>	M2
Titanium	0.000031	-9999	µg/m <sup>3</sup>	M2
Tungsten	0.000005	-9999	µg/m <sup>3</sup>	M2
Uranium	0.000003	-9999	µg/m <sup>3</sup>	M2
Vanadium	0.000018	-9999	µg/m <sup>3</sup>	M2
Zinc	0.000149	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00
		Set Index:	1
		WBEA ID:	210100290
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		739.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.037509	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000128	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000089	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001417	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000029	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.106828	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000063	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000007	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000474	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000038	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000892	µg/m <sup>3</sup>	V0
Iron	0.001585	0.044736	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000030	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000169	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000090	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.011821	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001808	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000495	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000025	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000556	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000225	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000053	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.018087	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.040850	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000118	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.219123	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.059300	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000294	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000680	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000075	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000090	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003125	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000215	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002927	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000993	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210100298
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C	
Pressure		719.1	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	3.361	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.012730	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000147	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000114	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000618	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000023	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000044	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.029942	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000038	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000030	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000732	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000022	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000371	µg/m <sup>3</sup>	V0
Iron	0.001585	0.016597	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000041	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000136	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000079	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.006484	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000457	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000184	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000030	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000201	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000588	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000138	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.020624	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.034626	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000021	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000050	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000023	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.057716	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.029656	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000146	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.005818	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000296	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000061	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000907	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001115	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000056	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210100310
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		729.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.039551	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000145	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000053	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001483	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000016	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.077743	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000072	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000710	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000038	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000569	µg/m <sup>3</sup>	V0
Iron	0.001585	0.050113	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000031	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000098	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000076	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.011322	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001255	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000375	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000026	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000481	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000120	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.014905	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.031802	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000085	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.254236	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.046082	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000230	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000396	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000038	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000097	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003256	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000111	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002159	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 210100342
Start Date:	2021-01-29 11:45	End Date:	2021-01-29 11:46	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.014184	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000348	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000012	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000191	µg/m <sup>3</sup>	V0
Iron	0.001585	0.002855	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000063	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.001117	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000049	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000029	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000049	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000062	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000071	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.028206	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.005752	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000273	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000025	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000467	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000071	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100346
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		716.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.085913	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000042	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000067	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000889	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.257815	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000096	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000010	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000757	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000048	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000178	µg/m <sup>3</sup>	V0
Iron	0.001585	0.075157	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000050	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000153	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000116	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.023697	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001774	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000341	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000045	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000454	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000056	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000077	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.027936	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.046756	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000145	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000009	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000160	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.304334	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.023081	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000465	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000245	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000018	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000033	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.004519	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000109	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001897	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000714	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210100354
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		739.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.091404	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000056	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000052	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001357	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.570967	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000115	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000008	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001035	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000053	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000402	µg/m <sup>3</sup>	V0
Iron	0.001585	0.105491	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000051	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000135	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000095	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.036055	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003635	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000287	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000050	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000527	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000038	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.030652	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.068829	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000014	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000192	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000010	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.487314	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.029183	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000860	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000141	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000053	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.004492	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000083	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001272	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002536	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210100359
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		729.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.079878	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000100	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000023	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001612	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.258684	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000101	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000007	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000808	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000047	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000372	µg/m <sup>3</sup>	V0
Iron	0.001585	0.075324	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000046	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000132	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000084	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.025390	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002480	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000291	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000039	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000635	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000038	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.039899	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.063977	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000148	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000008	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.275923	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.048506	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000512	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000141	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000091	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.004442	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000083	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001743	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001040	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200368
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		737.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.296956	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000038	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000029	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002257	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000081	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.249133	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000307	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000023	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000875	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000095	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000159	µg/m <sup>3</sup>	V0
Iron	0.001585	0.222412	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000142	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000164	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000316	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.055065	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004607	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000123	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000126	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000350	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000072	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000092	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.049298	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.083280	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000035	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000364	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000025	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.696142	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.038053	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000821	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000191	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000048	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000050	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.012192	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000131	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000014	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000591	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000480	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210200375
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

Cassette accidentally dropped on the ground upon collection of sample. Little bit of snow got on filter.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		733.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.203118	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000028	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000029	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001586	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.138923	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000222	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000015	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000985	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000079	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000137	µg/m <sup>3</sup>	V0
Iron	0.001585	0.178160	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000104	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000123	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000252	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.037218	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003548	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000116	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000096	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000351	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000044	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.019237	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.064216	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000025	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000259	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000018	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.576721	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.027475	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000534	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000090	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000033	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000025	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.010319	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000089	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000009	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000479	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210200378
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		738.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.410313	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000030	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.002650	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.263478	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000350	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000028	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001153	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000148	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000685	µg/m <sup>3</sup>	V0
Iron	0.001585	0.290794	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000162	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000233	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000443	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.064910	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.007072	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000239	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000154	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000669	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000067	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.048893	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.102726	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000040	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000450	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000028	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.590801	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.055698	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000915	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000126	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000055	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000068	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.016453	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000240	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000019	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000722	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200389
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

Glass jar on cyclone head broken for duration of sample.  
Total PM appears blank compared to other samplers. Could be the Jar or some other unknown reason.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		709.8	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Aluminum	0.002800	-9999	µg/m <sup>3</sup>	M2
Antimony	0.000016	-9999	µg/m <sup>3</sup>	M2
Arsenic	0.000005	-9999	µg/m <sup>3</sup>	M2
Barium	0.000054	-9999	µg/m <sup>3</sup>	M2
Beryllium	0.000013	-9999	µg/m <sup>3</sup>	M2
Bismuth	0.000004	-9999	µg/m <sup>3</sup>	M2
Cadmium	0.000011	-9999	µg/m <sup>3</sup>	M2
Calcium	0.013042	-9999	µg/m <sup>3</sup>	M2
Cerium	0.000013	-9999	µg/m <sup>3</sup>	M2
Cesium	0.000004	-9999	µg/m <sup>3</sup>	M2
Chromium	0.000045	-9999	µg/m <sup>3</sup>	M2
Cobalt	0.000005	-9999	µg/m <sup>3</sup>	M2
Copper	0.000027	-9999	µg/m <sup>3</sup>	M2
Iron	0.001585	-9999	µg/m <sup>3</sup>	M2
Lanthanum	0.000004	-9999	µg/m <sup>3</sup>	M2
Lead	0.000018	-9999	µg/m <sup>3</sup>	M2
Lithium	0.000016	-9999	µg/m <sup>3</sup>	M2
Magnesium	0.000279	-9999	µg/m <sup>3</sup>	M2
Manganese	0.000028	-9999	µg/m <sup>3</sup>	M2
Molybdenum	0.000025	-9999	µg/m <sup>3</sup>	M2
Neodymium	0.000005	-9999	µg/m <sup>3</sup>	M2
Nickel	0.000015	-9999	µg/m <sup>3</sup>	M2
Niobium	0.000006	-9999	µg/m <sup>3</sup>	M2
Palladium	0.000050	-9999	µg/m <sup>3</sup>	M2
Phosphorus	0.003480	-9999	µg/m <sup>3</sup>	M2
Platinum	0.000004	-9999	µg/m <sup>3</sup>	M2
Potassium	0.000402	-9999	µg/m <sup>3</sup>	M2
Praseodymium	0.000002	-9999	µg/m <sup>3</sup>	M2
Rubidium	0.000003	-9999	µg/m <sup>3</sup>	M2
Samarium	0.000006	-9999	µg/m <sup>3</sup>	M2
Selenium	0.000133	-9999	µg/m <sup>3</sup>	M2
Silicon	0.010200	-9999	µg/m <sup>3</sup>	M2
Silver	0.000006	-9999	µg/m <sup>3</sup>	M2
Sodium	0.000777	-9999	µg/m <sup>3</sup>	M2
Strontium	0.000012	-9999	µg/m <sup>3</sup>	M2
Tantalum	0.000003	-9999	µg/m <sup>3</sup>	M2
Thallium	0.000005	-9999	µg/m <sup>3</sup>	M2
Thorium	0.000002	-9999	µg/m <sup>3</sup>	M2
Tin	0.000008	-9999	µg/m <sup>3</sup>	M2
Titanium	0.000031	-9999	µg/m <sup>3</sup>	M2
Tungsten	0.000005	-9999	µg/m <sup>3</sup>	M2
Uranium	0.000003	-9999	µg/m <sup>3</sup>	M2
Vanadium	0.000018	-9999	µg/m <sup>3</sup>	M2
Zinc	0.000149	-9999	µg/m <sup>3</sup>	M2





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200394
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		718.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.034590	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000037	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000365	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000018	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.069954	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000032	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000666	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000020	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000108	µg/m <sup>3</sup>	V0
Iron	0.001585	0.028876	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000149	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.009966	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000649	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000128	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000152	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000025	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.031005	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.034614	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000084	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.096370	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.019788	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000142	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000118	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000029	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001707	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000046	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000472	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001298	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 210200416
Start Date:	2021-02-05 11:53	End Date:	2021-02-05 11:54	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.003209	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.019471	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000494	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000011	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.004499	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.003921	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000038	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000038	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000022	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000022	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.020317	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.006354	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.019685	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.001318	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000015	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000117	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000056	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000662	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000024	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000022	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210200405
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		735.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.094778	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000061	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000014	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001587	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000016	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.139709	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000096	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000010	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001178	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000038	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000308	µg/m <sup>3</sup>	V0
Iron	0.001585	0.071582	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000046	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000517	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000056	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.080153	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001454	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000100	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000043	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000461	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000033	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.048652	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.055350	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000129	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000009	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.323678	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.311141	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000643	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000123	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000053	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003645	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000052	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000407	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001529	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200412
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

### Notes

Total PM appears blank compared to other samplers. Reason unknown.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		715.5	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Aluminum	0.002800	-9999	µg/m <sup>3</sup>	M2
Antimony	0.000016	-9999	µg/m <sup>3</sup>	M2
Arsenic	0.000005	-9999	µg/m <sup>3</sup>	M2
Barium	0.000054	-9999	µg/m <sup>3</sup>	M2
Beryllium	0.000013	-9999	µg/m <sup>3</sup>	M2
Bismuth	0.000004	-9999	µg/m <sup>3</sup>	M2
Cadmium	0.000011	-9999	µg/m <sup>3</sup>	M2
Calcium	0.013042	-9999	µg/m <sup>3</sup>	M2
Cerium	0.000013	-9999	µg/m <sup>3</sup>	M2
Cesium	0.000004	-9999	µg/m <sup>3</sup>	M2
Chromium	0.000045	-9999	µg/m <sup>3</sup>	M2
Cobalt	0.000005	-9999	µg/m <sup>3</sup>	M2
Copper	0.000027	-9999	µg/m <sup>3</sup>	M2
Iron	0.001585	-9999	µg/m <sup>3</sup>	M2
Lanthanum	0.000004	-9999	µg/m <sup>3</sup>	M2
Lead	0.000018	-9999	µg/m <sup>3</sup>	M2
Lithium	0.000016	-9999	µg/m <sup>3</sup>	M2
Magnesium	0.000279	-9999	µg/m <sup>3</sup>	M2
Manganese	0.000028	-9999	µg/m <sup>3</sup>	M2
Molybdenum	0.000025	-9999	µg/m <sup>3</sup>	M2
Neodymium	0.000005	-9999	µg/m <sup>3</sup>	M2
Nickel	0.000015	-9999	µg/m <sup>3</sup>	M2
Niobium	0.000006	-9999	µg/m <sup>3</sup>	M2
Palladium	0.000050	-9999	µg/m <sup>3</sup>	M2
Phosphorus	0.003480	-9999	µg/m <sup>3</sup>	M2
Platinum	0.000004	-9999	µg/m <sup>3</sup>	M2
Potassium	0.000402	-9999	µg/m <sup>3</sup>	M2
Praseodymium	0.000002	-9999	µg/m <sup>3</sup>	M2
Rubidium	0.000003	-9999	µg/m <sup>3</sup>	M2
Samarium	0.000006	-9999	µg/m <sup>3</sup>	M2
Selenium	0.000133	-9999	µg/m <sup>3</sup>	M2
Silicon	0.010200	-9999	µg/m <sup>3</sup>	M2
Silver	0.000006	-9999	µg/m <sup>3</sup>	M2
Sodium	0.000777	-9999	µg/m <sup>3</sup>	M2
Strontium	0.000012	-9999	µg/m <sup>3</sup>	M2
Tantalum	0.000003	-9999	µg/m <sup>3</sup>	M2
Thallium	0.000005	-9999	µg/m <sup>3</sup>	M2
Thorium	0.000002	-9999	µg/m <sup>3</sup>	M2
Tin	0.000008	-9999	µg/m <sup>3</sup>	M2
Titanium	0.000031	-9999	µg/m <sup>3</sup>	M2
Tungsten	0.000005	-9999	µg/m <sup>3</sup>	M2
Uranium	0.000003	-9999	µg/m <sup>3</sup>	M2
Vanadium	0.000018	-9999	µg/m <sup>3</sup>	M2
Zinc	0.000149	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200425
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		724.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.035751	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000038	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000091	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000444	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000016	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.059361	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000032	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000902	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000022	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000301	µg/m <sup>3</sup>	V0
Iron	0.001585	0.029943	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000584	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.064513	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000839	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000032	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000263	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000029	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.016807	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.043684	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000065	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.077060	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.279744	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000446	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000150	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000044	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001775	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000036	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000098	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210200430
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		744.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.109159	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000041	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000099	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001032	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000015	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.104030	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000128	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000010	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000884	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000045	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000153	µg/m <sup>3</sup>	V0
Iron	0.001585	0.082754	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000061	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000466	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000097	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.074973	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001660	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000061	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000055	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000406	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000038	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018950	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.071538	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000177	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000010	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.314768	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.287338	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000666	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000099	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000018	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000027	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005231	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000052	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000363	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210200434
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C	
Pressure		739.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.211213	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000036	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000104	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001969	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.125488	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000225	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000017	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001291	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000092	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000170	µg/m <sup>3</sup>	V0
Iron	0.001585	0.148475	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000100	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000577	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000195	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.080244	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002712	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000167	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000091	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000311	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000051	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.027505	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.092000	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000026	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000302	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000018	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000135	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.797606	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.260537	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000859	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000120	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000031	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000022	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.009454	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000097	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000009	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000626	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.008145	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200441
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		743.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.119633	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000026	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000110	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001212	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.129974	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000129	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000011	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000683	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000052	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000099	µg/m <sup>3</sup>	V0
Iron	0.001585	0.095455	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000062	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000384	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000117	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.061979	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001873	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000059	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000055	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000326	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000026	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.007568	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.075827	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000017	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000198	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000011	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.130004	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.241436	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000657	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000037	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000038	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005687	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000065	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000429	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000150	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210200448
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		721.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.086893	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000051	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000115	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000944	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000019	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.112059	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000073	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000010	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001241	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000050	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000617	µg/m <sup>3</sup>	V0
Iron	0.001585	0.063149	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000037	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000712	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000054	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.084301	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001661	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000054	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000032	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000407	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000028	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.041697	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.057661	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000132	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.219508	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.346494	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000621	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000118	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000038	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003247	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000042	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000200	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001552	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210200453
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C	
Pressure		745.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.065796	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000079	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000059	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001178	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.168103	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000072	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000008	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000765	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000040	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000224	µg/m <sup>3</sup>	V0
Iron	0.001585	0.060238	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000033	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000365	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000038	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.057412	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001267	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000067	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000033	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000276	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000035	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.027844	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.052706	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000110	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.285079	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.276166	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000652	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000142	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000057	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003372	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000079	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000255	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000553	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 210200481
Start Date:	2021-02-10 13:43	End Date:	2021-02-10 13:44	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006326	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.016819	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000658	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000015	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.007801	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.004043	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000119	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000033	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000072	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000041	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.036390	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.004744	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.031038	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000019	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000230	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000026	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000459	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000048	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000027	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210200460
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		713.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.018737	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000034	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000538	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000030	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.038448	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000018	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001057	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000016	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000246	µg/m <sup>3</sup>	V0
Iron	0.001585	0.021544	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000210	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.015110	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000563	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000042	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000218	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000018	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.040884	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.053697	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000123	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.071416	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.044376	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000170	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000108	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000026	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001007	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000034	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000065	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001588	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200468
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

### Notes

Total PM appears blank compared to other samplers. Reason unknown.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		707.8	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Aluminum	0.002800	-9999	µg/m <sup>3</sup>	M2
Antimony	0.000016	-9999	µg/m <sup>3</sup>	M2
Arsenic	0.000005	-9999	µg/m <sup>3</sup>	M2
Barium	0.000054	-9999	µg/m <sup>3</sup>	M2
Beryllium	0.000013	-9999	µg/m <sup>3</sup>	M2
Bismuth	0.000004	-9999	µg/m <sup>3</sup>	M2
Cadmium	0.000011	-9999	µg/m <sup>3</sup>	M2
Calcium	0.013042	-9999	µg/m <sup>3</sup>	M2
Cerium	0.000013	-9999	µg/m <sup>3</sup>	M2
Cesium	0.000004	-9999	µg/m <sup>3</sup>	M2
Chromium	0.000045	-9999	µg/m <sup>3</sup>	M2
Cobalt	0.000005	-9999	µg/m <sup>3</sup>	M2
Copper	0.000027	-9999	µg/m <sup>3</sup>	M2
Iron	0.001585	-9999	µg/m <sup>3</sup>	M2
Lanthanum	0.000004	-9999	µg/m <sup>3</sup>	M2
Lead	0.000018	-9999	µg/m <sup>3</sup>	M2
Lithium	0.000016	-9999	µg/m <sup>3</sup>	M2
Magnesium	0.000279	-9999	µg/m <sup>3</sup>	M2
Manganese	0.000028	-9999	µg/m <sup>3</sup>	M2
Molybdenum	0.000025	-9999	µg/m <sup>3</sup>	M2
Neodymium	0.000005	-9999	µg/m <sup>3</sup>	M2
Nickel	0.000015	-9999	µg/m <sup>3</sup>	M2
Niobium	0.000006	-9999	µg/m <sup>3</sup>	M2
Palladium	0.000050	-9999	µg/m <sup>3</sup>	M2
Phosphorus	0.003480	-9999	µg/m <sup>3</sup>	M2
Platinum	0.000004	-9999	µg/m <sup>3</sup>	M2
Potassium	0.000402	-9999	µg/m <sup>3</sup>	M2
Praseodymium	0.000002	-9999	µg/m <sup>3</sup>	M2
Rubidium	0.000003	-9999	µg/m <sup>3</sup>	M2
Samarium	0.000006	-9999	µg/m <sup>3</sup>	M2
Selenium	0.000133	-9999	µg/m <sup>3</sup>	M2
Silicon	0.010200	-9999	µg/m <sup>3</sup>	M2
Silver	0.000006	-9999	µg/m <sup>3</sup>	M2
Sodium	0.000777	-9999	µg/m <sup>3</sup>	M2
Strontium	0.000012	-9999	µg/m <sup>3</sup>	M2
Tantalum	0.000003	-9999	µg/m <sup>3</sup>	M2
Thallium	0.000005	-9999	µg/m <sup>3</sup>	M2
Thorium	0.000002	-9999	µg/m <sup>3</sup>	M2
Tin	0.000008	-9999	µg/m <sup>3</sup>	M2
Titanium	0.000031	-9999	µg/m <sup>3</sup>	M2
Tungsten	0.000005	-9999	µg/m <sup>3</sup>	M2
Uranium	0.000003	-9999	µg/m <sup>3</sup>	M2
Vanadium	0.000018	-9999	µg/m <sup>3</sup>	M2
Zinc	0.000149	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210200474
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		735.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.031530	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000195	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000078	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001711	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000022	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000043	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.095073	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000062	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000015	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000657	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000036	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000782	µg/m <sup>3</sup>	V0
Iron	0.001585	0.066485	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000032	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000252	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000070	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.027538	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001406	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000124	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000025	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000198	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000313	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000153	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.035409	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.078031	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000185	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000010	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.102882	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000011	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.384379	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000409	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.007806	µg/m <sup>3</sup>	V4
Thallium	0.000005	0.000022	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000023	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000123	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002155	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000638	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000008	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000116	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003287	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200487
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		716.7	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	2.282	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.021691	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000049	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000015	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000596	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.031664	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000019	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000823	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000073	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000061	µg/m <sup>3</sup>	V0
Iron	0.001585	0.021287	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000206	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.017106	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000402	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000036	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000715	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000022	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.039114	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.028347	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000039	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.068697	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.076801	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000174	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000118	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000050	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001080	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000095	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000055	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210200493
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		725.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.021962	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000137	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001335	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000017	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.052353	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000036	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001069	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000028	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000880	µg/m <sup>3</sup>	V0
Iron	0.001585	0.039048	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000201	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.019322	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000787	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000092	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000304	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000024	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.038654	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.041073	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000078	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.070953	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.138832	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000221	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000099	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000149	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001484	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000064	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000078	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001119	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200499
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		733.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	36.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.332352	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000100	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000308	µg/m <sup>3</sup>	V0
Barium	0.000054	0.012608	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000045	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000029	µg/m <sup>3</sup>	V0
Calcium	0.013042	2.394997	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001371	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000112	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002347	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000487	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001280	µg/m <sup>3</sup>	V0
Iron	0.001585	1.069593	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000639	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000823	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001162	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.291789	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.018423	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000886	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000610	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.002192	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000210	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000095	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.052931	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.422814	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000162	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001901	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000117	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000179	µg/m <sup>3</sup>	V0
Silicon	0.010200	3.669058	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.283277	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.004783	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000316	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000211	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000101	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.052648	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000462	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000076	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.005370	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004807	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Ells River	Loc ID:	ELSR
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00
		Set Index:	1
		WBEA ID:	210200507
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-20.0	°C	
Pressure		729.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	15.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.338236	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000078	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000135	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004018	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000086	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000109	µg/m <sup>3</sup>	V4
Cadmium	0.000011	0.000027	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.449198	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000362	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000039	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001425	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000174	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000500	µg/m <sup>3</sup>	V0
Iron	0.001585	0.341433	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000174	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000488	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000384	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.084206	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.005450	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000224	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000171	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000557	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000073	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.031333	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.146923	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000049	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000593	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000039	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000174	µg/m <sup>3</sup>	V0
Silicon	0.010200	1.125244	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.614197	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001437	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000128	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000145	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000058	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.015867	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000172	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000109	µg/m <sup>3</sup>	V4
Vanadium	0.000018	0.001225	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001966	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210200510
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-20.0	°C	
Pressure		734.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.264267	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000068	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000110	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002879	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.401921	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000281	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000022	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001116	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000107	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000512	µg/m <sup>3</sup>	V0
Iron	0.001585	0.225912	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000136	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000260	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000227	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.068404	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003792	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000178	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000130	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000513	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000060	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.023381	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.111811	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000034	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000433	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000025	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.043119	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.145405	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001022	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000131	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000043	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000038	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.012449	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000125	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000013	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001160	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001126	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210200521
Start Date:	2021-02-16 14:10	End Date:	2021-02-16 14:11	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.002931	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000064	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.015817	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000491	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000009	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.004611	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.001433	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000094	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000080	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000014	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.035778	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.001811	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.011897	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000080	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000403	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000021	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200527
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.3	°C	
Pressure		711.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.032995	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000065	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000050	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000838	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000016	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000027	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.078005	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000048	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000015	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000584	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000032	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000768	µg/m <sup>3</sup>	V0
Iron	0.001585	0.034729	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000073	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000176	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.012155	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001642	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000147	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000021	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000536	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000135	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000250	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.038484	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.040320	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000089	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000009	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.074963	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.020755	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000217	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002301	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000130	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000031	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000064	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001873	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000456	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000008	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000976	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001604	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210200530
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

No field evidence of a bad sample yet total ug/sample is close to blank. Flagging M2

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.2	°C	
Pressure		708.4	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Aluminum	0.002800	-9999	µg/m <sup>3</sup>	M2
Antimony	0.000016	-9999	µg/m <sup>3</sup>	M2
Arsenic	0.000005	-9999	µg/m <sup>3</sup>	M2
Barium	0.000054	-9999	µg/m <sup>3</sup>	M2
Beryllium	0.000013	-9999	µg/m <sup>3</sup>	M2
Bismuth	0.000004	-9999	µg/m <sup>3</sup>	M2
Cadmium	0.000011	-9999	µg/m <sup>3</sup>	M2
Calcium	0.013042	-9999	µg/m <sup>3</sup>	M2
Cerium	0.000013	-9999	µg/m <sup>3</sup>	M2
Cesium	0.000004	-9999	µg/m <sup>3</sup>	M2
Chromium	0.000045	-9999	µg/m <sup>3</sup>	M2
Cobalt	0.000005	-9999	µg/m <sup>3</sup>	M2
Copper	0.000027	-9999	µg/m <sup>3</sup>	M2
Iron	0.001585	-9999	µg/m <sup>3</sup>	M2
Lanthanum	0.000004	-9999	µg/m <sup>3</sup>	M2
Lead	0.000018	-9999	µg/m <sup>3</sup>	M2
Lithium	0.000016	-9999	µg/m <sup>3</sup>	M2
Magnesium	0.000279	-9999	µg/m <sup>3</sup>	M2
Manganese	0.000028	-9999	µg/m <sup>3</sup>	M2
Molybdenum	0.000025	-9999	µg/m <sup>3</sup>	M2
Neodymium	0.000005	-9999	µg/m <sup>3</sup>	M2
Nickel	0.000015	-9999	µg/m <sup>3</sup>	M2
Niobium	0.000006	-9999	µg/m <sup>3</sup>	M2
Palladium	0.000050	-9999	µg/m <sup>3</sup>	M2
Phosphorus	0.003480	-9999	µg/m <sup>3</sup>	M2
Platinum	0.000004	-9999	µg/m <sup>3</sup>	M2
Potassium	0.000402	-9999	µg/m <sup>3</sup>	M2
Praseodymium	0.000002	-9999	µg/m <sup>3</sup>	M2
Rubidium	0.000003	-9999	µg/m <sup>3</sup>	M2
Samarium	0.000006	-9999	µg/m <sup>3</sup>	M2
Selenium	0.000133	-9999	µg/m <sup>3</sup>	M2
Silicon	0.010200	-9999	µg/m <sup>3</sup>	M2
Silver	0.000006	-9999	µg/m <sup>3</sup>	M2
Sodium	0.000777	-9999	µg/m <sup>3</sup>	M2
Strontium	0.000012	-9999	µg/m <sup>3</sup>	M2
Tantalum	0.000003	-9999	µg/m <sup>3</sup>	M2
Thallium	0.000005	-9999	µg/m <sup>3</sup>	M2
Thorium	0.000002	-9999	µg/m <sup>3</sup>	M2
Tin	0.000008	-9999	µg/m <sup>3</sup>	M2
Titanium	0.000031	-9999	µg/m <sup>3</sup>	M2
Tungsten	0.000005	-9999	µg/m <sup>3</sup>	M2
Uranium	0.000003	-9999	µg/m <sup>3</sup>	M2
Vanadium	0.000018	-9999	µg/m <sup>3</sup>	M2
Zinc	0.000149	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210200533
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.5	°C	
Pressure		712.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.019699	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000023	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000570	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.054005	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000026	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000822	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000019	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000123	µg/m <sup>3</sup>	V0
Iron	0.001585	0.028265	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000037	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.007516	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000797	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000080	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000261	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000044	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.028653	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.030572	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000040	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.067320	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.009212	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000109	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000192	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000018	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001574	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000048	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000366	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200546
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.0	°C	
Pressure		697.8	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	1.203	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.021935	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000315	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.036064	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000015	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000692	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000015	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000259	µg/m <sup>3</sup>	V0
Iron	0.001585	0.016184	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000049	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.008161	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000487	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000028	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000281	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000021	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.048951	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.016229	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000034	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.058680	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.014721	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000087	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000115	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000019	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000853	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000037	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000041	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210200555
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.3	°C	
Pressure		694.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.008419	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000018	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000209	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.020019	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000773	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000012	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.011231	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000032	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.006294	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000303	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000037	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000040	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000079	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000058	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.029111	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.014586	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000012	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.048998	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.004097	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000042	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000294	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000018	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000767	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000052	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000044	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210200577
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.0	°C	
Pressure		705.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.014626	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000052	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000538	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.036812	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000018	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000669	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000018	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000124	µg/m <sup>3</sup>	V0
Iron	0.001585	0.017601	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000058	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000077	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005618	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000377	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000038	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000133	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000036	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000117	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.040247	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.024551	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000028	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.032415	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.027292	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000110	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000146	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000035	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000035	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000808	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000079	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000044	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210200583
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.5	°C	
Pressure		713.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.020969	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000088	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001034	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.077707	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000028	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000544	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000032	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000535	µg/m <sup>3</sup>	V0
Iron	0.001585	0.034795	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000051	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.009878	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000500	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000055	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000174	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000046	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000054	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.030325	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.026616	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000022	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.076493	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.364158	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000272	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000210	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000080	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001193	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000071	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000055	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200540
Start Date:	2021-02-21 13:00	End Date:	2021-02-22 13:00	Duration:	24.0 hr

### Notes

Sampler set to run from 13:00 to 13:00 instead of 00:00 to 00:00.  
Total PM appears blank compared to other samplers. Reason unknown.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.6	°C	
Pressure		690.1	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Aluminum	0.002800	-9999	µg/m <sup>3</sup>	M2
Antimony	0.000016	-9999	µg/m <sup>3</sup>	M2
Arsenic	0.000005	-9999	µg/m <sup>3</sup>	M2
Barium	0.000054	-9999	µg/m <sup>3</sup>	M2
Beryllium	0.000013	-9999	µg/m <sup>3</sup>	M2
Bismuth	0.000004	-9999	µg/m <sup>3</sup>	M2
Cadmium	0.000011	-9999	µg/m <sup>3</sup>	M2
Calcium	0.013042	-9999	µg/m <sup>3</sup>	M2
Cerium	0.000013	-9999	µg/m <sup>3</sup>	M2
Cesium	0.000004	-9999	µg/m <sup>3</sup>	M2
Chromium	0.000045	-9999	µg/m <sup>3</sup>	M2
Cobalt	0.000005	-9999	µg/m <sup>3</sup>	M2
Copper	0.000027	-9999	µg/m <sup>3</sup>	M2
Iron	0.001585	-9999	µg/m <sup>3</sup>	M2
Lanthanum	0.000004	-9999	µg/m <sup>3</sup>	M2
Lead	0.000018	-9999	µg/m <sup>3</sup>	M2
Lithium	0.000016	-9999	µg/m <sup>3</sup>	M2
Magnesium	0.000279	-9999	µg/m <sup>3</sup>	M2
Manganese	0.000028	-9999	µg/m <sup>3</sup>	M2
Molybdenum	0.000025	-9999	µg/m <sup>3</sup>	M2
Neodymium	0.000005	-9999	µg/m <sup>3</sup>	M2
Nickel	0.000015	-9999	µg/m <sup>3</sup>	M2
Niobium	0.000006	-9999	µg/m <sup>3</sup>	M2
Palladium	0.000050	-9999	µg/m <sup>3</sup>	M2
Phosphorus	0.003480	-9999	µg/m <sup>3</sup>	M2
Platinum	0.000004	-9999	µg/m <sup>3</sup>	M2
Potassium	0.000402	-9999	µg/m <sup>3</sup>	M2
Praseodymium	0.000002	-9999	µg/m <sup>3</sup>	M2
Rubidium	0.000003	-9999	µg/m <sup>3</sup>	M2
Samarium	0.000006	-9999	µg/m <sup>3</sup>	M2
Selenium	0.000133	-9999	µg/m <sup>3</sup>	M2
Silicon	0.010200	-9999	µg/m <sup>3</sup>	M2
Silver	0.000006	-9999	µg/m <sup>3</sup>	M2
Sodium	0.000777	-9999	µg/m <sup>3</sup>	M2
Strontium	0.000012	-9999	µg/m <sup>3</sup>	M2
Tantalum	0.000003	-9999	µg/m <sup>3</sup>	M2
Thallium	0.000005	-9999	µg/m <sup>3</sup>	M2
Thorium	0.000002	-9999	µg/m <sup>3</sup>	M2
Tin	0.000008	-9999	µg/m <sup>3</sup>	M2
Titanium	0.000031	-9999	µg/m <sup>3</sup>	M2
Tungsten	0.000005	-9999	µg/m <sup>3</sup>	M2
Uranium	0.000003	-9999	µg/m <sup>3</sup>	M2
Vanadium	0.000018	-9999	µg/m <sup>3</sup>	M2
Zinc	0.000149	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210200620
Start Date:	2021-02-24 15:50	End Date:	2021-02-24 15:51	Duration:	0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010396	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000020	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000066	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.040724	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000551	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000040	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.005185	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000028	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.002668	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000098	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000057	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000103	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.039233	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.010003	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.010617	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000038	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000633	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000047	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000713	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000135	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000018	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00
		Set Index:	1
		WBEA ID:	210200563
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-20.0	°C	
Pressure		734.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	23.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.651447	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000190	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000098	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004856	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000024	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000018	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.395040	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000679	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000046	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001168	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000223	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000442	µg/m <sup>3</sup>	V0
Iron	0.001585	0.432930	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000301	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000459	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000825	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.115312	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.009922	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000220	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000297	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000683	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000132	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000068	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.038527	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.198403	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000078	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000776	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000056	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.575002	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.129152	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001669	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000168	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000099	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000099	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.033233	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000196	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000031	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001791	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002464	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210200571
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-21.0	°C	
Pressure		730.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	14.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.469226	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000046	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000173	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004122	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000021	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000016	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.283147	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000552	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000044	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001277	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000202	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000337	µg/m <sup>3</sup>	V0
Iron	0.001585	0.532302	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000265	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000419	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000612	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.111433	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.009688	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000260	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000243	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000533	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000184	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000095	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.030037	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.165053	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000066	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000626	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000049	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000143	µg/m <sup>3</sup>	V0
Silicon	0.010200	1.605884	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.234086	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001439	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000509	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000087	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000040	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.023124	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000270	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000026	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001213	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001092	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210200574
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-21.0	°C	
Pressure		734.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.270593	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000079	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000076	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002159	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000014	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000017	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.178283	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000317	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000025	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001169	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000106	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000270	µg/m <sup>3</sup>	V0
Iron	0.001585	0.206602	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000144	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000261	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000423	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.057275	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004383	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000149	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000136	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000468	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000384	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000153	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.020593	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.101512	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000038	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000385	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000027	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.196103	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.085281	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000827	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.007228	µg/m <sup>3</sup>	V4
Thallium	0.000005	0.000021	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000055	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000048	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.014616	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000620	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000015	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000775	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000199	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210200589
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		713.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.030835	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000039	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000054	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000505	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.068718	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000038	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000943	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000028	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000094	µg/m <sup>3</sup>	V0
Iron	0.001585	0.034867	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000193	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.026315	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000818	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000061	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000231	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000036	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.025066	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.032227	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000062	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000158	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.121284	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.089689	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000219	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000168	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000060	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001903	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000069	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000245	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: <b>PM10 Metal</b>	Samp Use: <b>Exposure</b>	Set Index: <b>1</b>
Location: <b>Janvier</b>	Loc ID: <b>JANV</b>	WBEA ID: <b>210200595</b>
Start Date: <b>2021-02-27 00:00</b>	End Date: <b>2021-02-28 00:00</b>	Duration: <b>24.0 hr</b>

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		715.4	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	2.365	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.011075	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000021	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000372	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.024232	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000791	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000012	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000038	µg/m <sup>3</sup>	V0
Iron	0.001585	0.013997	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000120	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.012442	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000292	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000041	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000117	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000015	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.037790	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.014625	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000013	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.037717	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.336307	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000095	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000072	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000037	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000673	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000023	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000060	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210200601
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		735.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	15.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.200758	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000235	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000047	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003720	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000015	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000025	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.600186	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000263	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000015	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001183	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000105	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001030	µg/m <sup>3</sup>	V0
Iron	0.001585	0.216236	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000120	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000370	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000175	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.101016	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004708	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000413	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000107	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000649	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000051	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.038415	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.111266	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000030	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000323	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000022	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000140	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.626919	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.452268	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001204	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000154	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000035	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000249	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.008863	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000215	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000012	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002016	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.022550	µg/m <sup>3</sup>	V4



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200611
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

### Notes

Total PM appears blank compared to other samplers. Reason unknown.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		707.7	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Aluminum	0.002800	-9999	µg/m <sup>3</sup>	M2
Antimony	0.000016	-9999	µg/m <sup>3</sup>	M2
Arsenic	0.000005	-9999	µg/m <sup>3</sup>	M2
Barium	0.000054	-9999	µg/m <sup>3</sup>	M2
Beryllium	0.000013	-9999	µg/m <sup>3</sup>	M2
Bismuth	0.000004	-9999	µg/m <sup>3</sup>	M2
Cadmium	0.000011	-9999	µg/m <sup>3</sup>	M2
Calcium	0.013042	-9999	µg/m <sup>3</sup>	M2
Cerium	0.000013	-9999	µg/m <sup>3</sup>	M2
Cesium	0.000004	-9999	µg/m <sup>3</sup>	M2
Chromium	0.000045	-9999	µg/m <sup>3</sup>	M2
Cobalt	0.000005	-9999	µg/m <sup>3</sup>	M2
Copper	0.000027	-9999	µg/m <sup>3</sup>	M2
Iron	0.001585	-9999	µg/m <sup>3</sup>	M2
Lanthanum	0.000004	-9999	µg/m <sup>3</sup>	M2
Lead	0.000018	-9999	µg/m <sup>3</sup>	M2
Lithium	0.000016	-9999	µg/m <sup>3</sup>	M2
Magnesium	0.000279	-9999	µg/m <sup>3</sup>	M2
Manganese	0.000028	-9999	µg/m <sup>3</sup>	M2
Molybdenum	0.000025	-9999	µg/m <sup>3</sup>	M2
Neodymium	0.000005	-9999	µg/m <sup>3</sup>	M2
Nickel	0.000015	-9999	µg/m <sup>3</sup>	M2
Niobium	0.000006	-9999	µg/m <sup>3</sup>	M2
Palladium	0.000050	-9999	µg/m <sup>3</sup>	M2
Phosphorus	0.003480	-9999	µg/m <sup>3</sup>	M2
Platinum	0.000004	-9999	µg/m <sup>3</sup>	M2
Potassium	0.000402	-9999	µg/m <sup>3</sup>	M2
Praseodymium	0.000002	-9999	µg/m <sup>3</sup>	M2
Rubidium	0.000003	-9999	µg/m <sup>3</sup>	M2
Samarium	0.000006	-9999	µg/m <sup>3</sup>	M2
Selenium	0.000133	-9999	µg/m <sup>3</sup>	M2
Silicon	0.010200	-9999	µg/m <sup>3</sup>	M2
Silver	0.000006	-9999	µg/m <sup>3</sup>	M2
Sodium	0.000777	-9999	µg/m <sup>3</sup>	M2
Strontium	0.000012	-9999	µg/m <sup>3</sup>	M2
Tantalum	0.000003	-9999	µg/m <sup>3</sup>	M2
Thallium	0.000005	-9999	µg/m <sup>3</sup>	M2
Thorium	0.000002	-9999	µg/m <sup>3</sup>	M2
Tin	0.000008	-9999	µg/m <sup>3</sup>	M2
Titanium	0.000031	-9999	µg/m <sup>3</sup>	M2
Tungsten	0.000005	-9999	µg/m <sup>3</sup>	M2
Uranium	0.000003	-9999	µg/m <sup>3</sup>	M2
Vanadium	0.000018	-9999	µg/m <sup>3</sup>	M2
Zinc	0.000149	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210200624
Start Date:	2021-02-27 15:00	End Date:	2021-02-28 15:00	Duration:	24.0 hr

### Notes

Sampler set to run from 15:00 to 15:00 instead of 00:00 to 00:00.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		728.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.254693	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000163	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000025	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002868	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000016	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.775981	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000267	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000021	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001363	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000101	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001731	µg/m <sup>3</sup>	V0
Iron	0.001585	0.226782	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000127	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000311	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000238	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.103721	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004635	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000241	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000117	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000517	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000369	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000099	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.052203	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.098472	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000035	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000346	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000023	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.992111	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.222677	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001318	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.014185	µg/m <sup>3</sup>	V4
Thallium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000048	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000108	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.009682	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000733	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000013	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000793	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002046	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 210300661
Start Date:	2021-03-01 13:40	End Date:	2021-03-01 13:41	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000049	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000096	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.015408	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000441	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000006	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.008109	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000128	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000122	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000017	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021643	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.006558	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.011615	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000073	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000784	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000024	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210300654
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.5	°C	
Pressure		712.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.061772	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000129	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000421	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001477	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000016	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000056	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.091092	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000067	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001122	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000034	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000379	µg/m <sup>3</sup>	V0
Iron	0.001585	0.076914	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000064	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001223	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000049	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.022451	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001990	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000074	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000029	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000417	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000031	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.027135	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.119074	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000236	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000171	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.158763	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.051544	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000474	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000127	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000014	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000068	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003518	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000033	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000213	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210300668
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.7	°C	
Pressure		732.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.098702	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000359	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000243	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004176	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000034	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000042	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.224313	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000133	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000008	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001386	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000073	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001725	µg/m <sup>3</sup>	V0
Iron	0.001585	0.166267	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000088	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001280	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000093	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.040349	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.005309	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000255	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000050	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000787	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000034	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.025417	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.108359	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000014	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000216	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000009	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000314	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.185426	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.305969	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000837	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000126	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000021	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000220	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005651	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000125	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000334	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004954	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210300673
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.4	°C	
Pressure		723.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.073849	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000290	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000307	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002653	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000036	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000051	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.095761	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000105	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000018	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001585	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000052	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001283	µg/m <sup>3</sup>	V0
Iron	0.001585	0.098529	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000084	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001324	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000193	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.026572	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002268	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000109	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000041	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000491	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000099	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000096	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.028729	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.103173	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000017	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000194	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000011	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000223	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.181565	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000028	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.209182	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000562	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000522	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000039	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000023	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000187	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.004158	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000155	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000012	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000211	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210300684
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.6	°C	
Pressure		714.2	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	7.178	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.038449	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000264	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.002583	µg/m <sup>3</sup>	V4
Barium	0.000054	0.001096	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000023	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000033	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.069662	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000056	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001510	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000031	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000442	µg/m <sup>3</sup>	V0
Iron	0.001585	0.067612	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000043	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000812	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000059	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.015540	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001359	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000244	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000021	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000240	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000043	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.027199	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.067759	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000115	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000164	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.179127	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.079611	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000317	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000199	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000049	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003645	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000071	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000227	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PM10 Metal**  
Location: **Conklin**  
Start Date: **2021-03-05 00:00**

Samp Use: **Exposure**  
Loc ID: **CONK**  
End Date: **2021-03-06 00:00**

Set Index: **1**  
WBEA ID: **210300696**  
Duration: **24.0 hr**

### Notes

Total PM appears blank compared to other samplers. Reason unknown.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.8	°C	
Pressure		706.6	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Aluminum	0.002800	-9999	µg/m <sup>3</sup>	M2
Antimony	0.000016	-9999	µg/m <sup>3</sup>	M2
Arsenic	0.000005	-9999	µg/m <sup>3</sup>	M2
Barium	0.000054	-9999	µg/m <sup>3</sup>	M2
Beryllium	0.000013	-9999	µg/m <sup>3</sup>	M2
Bismuth	0.000004	-9999	µg/m <sup>3</sup>	M2
Cadmium	0.000011	-9999	µg/m <sup>3</sup>	M2
Calcium	0.013042	-9999	µg/m <sup>3</sup>	M2
Cerium	0.000013	-9999	µg/m <sup>3</sup>	M2
Cesium	0.000004	-9999	µg/m <sup>3</sup>	M2
Chromium	0.000045	-9999	µg/m <sup>3</sup>	M2
Cobalt	0.000005	-9999	µg/m <sup>3</sup>	M2
Copper	0.000027	-9999	µg/m <sup>3</sup>	M2
Iron	0.001585	-9999	µg/m <sup>3</sup>	M2
Lanthanum	0.000004	-9999	µg/m <sup>3</sup>	M2
Lead	0.000018	-9999	µg/m <sup>3</sup>	M2
Lithium	0.000016	-9999	µg/m <sup>3</sup>	M2
Magnesium	0.000279	-9999	µg/m <sup>3</sup>	M2
Manganese	0.000028	-9999	µg/m <sup>3</sup>	M2
Molybdenum	0.000025	-9999	µg/m <sup>3</sup>	M2
Neodymium	0.000005	-9999	µg/m <sup>3</sup>	M2
Nickel	0.000015	-9999	µg/m <sup>3</sup>	M2
Niobium	0.000006	-9999	µg/m <sup>3</sup>	M2
Palladium	0.000050	-9999	µg/m <sup>3</sup>	M2
Phosphorus	0.003480	-9999	µg/m <sup>3</sup>	M2
Platinum	0.000004	-9999	µg/m <sup>3</sup>	M2
Potassium	0.000402	-9999	µg/m <sup>3</sup>	M2
Praseodymium	0.000002	-9999	µg/m <sup>3</sup>	M2
Rubidium	0.000003	-9999	µg/m <sup>3</sup>	M2
Samarium	0.000006	-9999	µg/m <sup>3</sup>	M2
Selenium	0.000133	-9999	µg/m <sup>3</sup>	M2
Silicon	0.010200	-9999	µg/m <sup>3</sup>	M2
Silver	0.000006	-9999	µg/m <sup>3</sup>	M2
Sodium	0.000777	-9999	µg/m <sup>3</sup>	M2
Strontium	0.000012	-9999	µg/m <sup>3</sup>	M2
Tantalum	0.000003	-9999	µg/m <sup>3</sup>	M2
Thallium	0.000005	-9999	µg/m <sup>3</sup>	M2
Thorium	0.000002	-9999	µg/m <sup>3</sup>	M2
Tin	0.000008	-9999	µg/m <sup>3</sup>	M2
Titanium	0.000031	-9999	µg/m <sup>3</sup>	M2
Tungsten	0.000005	-9999	µg/m <sup>3</sup>	M2
Uranium	0.000003	-9999	µg/m <sup>3</sup>	M2
Vanadium	0.000018	-9999	µg/m <sup>3</sup>	M2
Zinc	0.000149	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300706
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.5	°C	
Pressure		732.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.291089	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000114	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000322	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003501	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000015	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000018	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000027	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.336431	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000384	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000021	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001186	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000124	µg/m <sup>3</sup>	V0
Copper	0.000027	0.008056	µg/m <sup>3</sup>	V4
Iron	0.001585	0.472181	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000202	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001050	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000308	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.076342	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.011331	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000407	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000155	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001042	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000072	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.027489	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.121303	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000044	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000405	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000029	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000261	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.584168	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000013	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.092062	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001158	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000215	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000068	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000061	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.011718	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000093	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000018	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002508	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004787	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210300715
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.4	°C	
Pressure		731.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.229517	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000130	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000248	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002911	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000022	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000028	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.293938	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000275	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000027	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001270	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000100	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000543	µg/m <sup>3</sup>	V0
Iron	0.001585	0.316297	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000149	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001046	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000236	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.061327	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.006526	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000397	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000112	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001064	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000067	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.022639	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.114593	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000034	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000339	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000021	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000154	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.541841	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.103039	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000995	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000202	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000050	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000030	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.009672	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000100	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000017	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002570	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210300717
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.3	°C	
Pressure		727.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.157586	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000093	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000166	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002278	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000024	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.158199	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000187	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000014	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001081	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000079	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000417	µg/m <sup>3</sup>	V0
Iron	0.001585	0.187226	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000105	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000849	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000167	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.035265	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004258	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000301	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000079	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000861	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000051	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.030712	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.083056	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000021	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000264	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000014	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000190	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.342380	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.085774	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000750	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000159	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000032	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000032	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.007813	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000067	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001980	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 210300723
Start Date:	2021-03-08 14:25	End Date:	2021-03-08 14:26	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000055	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.013711	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000514	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000011	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000125	µg/m <sup>3</sup>	V0
Iron	0.001585	0.005835	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000022	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000130	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000275	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000039	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.027725	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.003102	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.004627	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000216	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000457	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000056	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210300727
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.4	°C	
Pressure		713.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.018936	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000043	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000132	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000588	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000034	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000022	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.036848	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000049	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000013	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000632	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000036	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000045	µg/m <sup>3</sup>	V0
Iron	0.001585	0.026635	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000038	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000304	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000094	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.009047	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000809	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000049	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000024	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000246	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000062	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000058	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.028748	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.033917	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000050	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000011	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.121973	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000017	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.070365	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000213	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000257	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000025	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000019	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001560	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000068	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000011	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000109	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210300733
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.6	°C	
Pressure		734.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.055360	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000315	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000247	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003609	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000046	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.167406	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000116	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000008	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002135	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000085	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001472	µg/m <sup>3</sup>	V0
Iron	0.001585	0.156813	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000046	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000427	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000081	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.041438	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002789	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000239	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000039	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000506	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000048	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.024417	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.063999	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000101	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.209602	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000013	µg/m <sup>3</sup>	V0
Sodium	0.000777	1.339451	µg/m <sup>3</sup>	V4
Strontium	0.000012	0.000678	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000190	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000269	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003852	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000432	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000260	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210300744
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.2	°C	
Pressure		725.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.044002	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000198	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000113	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002279	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000035	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000016	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.105632	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000071	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000750	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000044	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000852	µg/m <sup>3</sup>	V0
Iron	0.001585	0.094014	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000037	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000388	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000048	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.026700	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002010	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000069	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000025	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000221	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000035	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.030624	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.052484	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000090	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.143970	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000011	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.572386	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000417	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000211	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000128	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002879	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000125	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000154	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210300747
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C	
Pressure		732.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	14.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.459420	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000087	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000180	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004556	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000036	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000017	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.622277	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000498	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000043	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000897	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000167	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000824	µg/m <sup>3</sup>	V0
Iron	0.001585	0.367849	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000233	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000575	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000509	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.108637	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.006197	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000304	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000223	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001223	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000099	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.026807	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.135261	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000060	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000569	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000039	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.929392	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000012	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.373957	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001827	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000211	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000087	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000068	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.018074	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000153	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000022	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002948	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Ells River	Loc ID:	ELSR
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00
		Set Index:	1
		WBEA ID:	210300750
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C	
Pressure		728.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	23.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.175042	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000053	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000349	µg/m <sup>3</sup>	V0
Barium	0.000054	0.011475	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000039	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000035	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.565611	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001100	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000111	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.003442	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000366	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000832	µg/m <sup>3</sup>	V0
Iron	0.001585	1.224238	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000528	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000757	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001257	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.265036	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.015758	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000235	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000552	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001305	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000175	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000051	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.032088	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.335769	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000139	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001598	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000105	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.761260	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000016	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.208284	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.003388	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000294	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000209	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.043148	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000180	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000057	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002872	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300755
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C	
Pressure		734.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	17.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.440204	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000104	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000196	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004652	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000017	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000038	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000015	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.577910	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000534	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000034	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001883	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000182	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000708	µg/m <sup>3</sup>	V0
Iron	0.001585	0.420651	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000242	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000627	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000502	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.119875	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.008276	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000523	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000230	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.002329	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000088	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.029340	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.158290	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000063	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000620	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000043	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000155	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.819759	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000012	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.401997	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001749	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000184	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000093	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000047	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.018020	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000202	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000024	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.005527	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210300767
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

### Notes

Total PM appears blank compared to other samplers. Reason unknown.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.8	°C	
Pressure		707.4	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Aluminum	0.002800	-9999	µg/m <sup>3</sup>	M2
Antimony	0.000016	-9999	µg/m <sup>3</sup>	M2
Arsenic	0.000005	-9999	µg/m <sup>3</sup>	M2
Barium	0.000054	-9999	µg/m <sup>3</sup>	M2
Beryllium	0.000013	-9999	µg/m <sup>3</sup>	M2
Bismuth	0.000004	-9999	µg/m <sup>3</sup>	M2
Cadmium	0.000011	-9999	µg/m <sup>3</sup>	M2
Calcium	0.013042	-9999	µg/m <sup>3</sup>	M2
Cerium	0.000013	-9999	µg/m <sup>3</sup>	M2
Cesium	0.000004	-9999	µg/m <sup>3</sup>	M2
Chromium	0.000045	-9999	µg/m <sup>3</sup>	M2
Cobalt	0.000005	-9999	µg/m <sup>3</sup>	M2
Copper	0.000027	-9999	µg/m <sup>3</sup>	M2
Iron	0.001585	-9999	µg/m <sup>3</sup>	M2
Lanthanum	0.000004	-9999	µg/m <sup>3</sup>	M2
Lead	0.000018	-9999	µg/m <sup>3</sup>	M2
Lithium	0.000016	-9999	µg/m <sup>3</sup>	M2
Magnesium	0.000279	-9999	µg/m <sup>3</sup>	M2
Manganese	0.000028	-9999	µg/m <sup>3</sup>	M2
Molybdenum	0.000025	-9999	µg/m <sup>3</sup>	M2
Neodymium	0.000005	-9999	µg/m <sup>3</sup>	M2
Nickel	0.000015	-9999	µg/m <sup>3</sup>	M2
Niobium	0.000006	-9999	µg/m <sup>3</sup>	M2
Palladium	0.000050	-9999	µg/m <sup>3</sup>	M2
Phosphorus	0.003480	-9999	µg/m <sup>3</sup>	M2
Platinum	0.000004	-9999	µg/m <sup>3</sup>	M2
Potassium	0.000402	-9999	µg/m <sup>3</sup>	M2
Praseodymium	0.000002	-9999	µg/m <sup>3</sup>	M2
Rubidium	0.000003	-9999	µg/m <sup>3</sup>	M2
Samarium	0.000006	-9999	µg/m <sup>3</sup>	M2
Selenium	0.000133	-9999	µg/m <sup>3</sup>	M2
Silicon	0.010200	-9999	µg/m <sup>3</sup>	M2
Silver	0.000006	-9999	µg/m <sup>3</sup>	M2
Sodium	0.000777	-9999	µg/m <sup>3</sup>	M2
Strontium	0.000012	-9999	µg/m <sup>3</sup>	M2
Tantalum	0.000003	-9999	µg/m <sup>3</sup>	M2
Thallium	0.000005	-9999	µg/m <sup>3</sup>	M2
Thorium	0.000002	-9999	µg/m <sup>3</sup>	M2
Tin	0.000008	-9999	µg/m <sup>3</sup>	M2
Titanium	0.000031	-9999	µg/m <sup>3</sup>	M2
Tungsten	0.000005	-9999	µg/m <sup>3</sup>	M2
Uranium	0.000003	-9999	µg/m <sup>3</sup>	M2
Vanadium	0.000018	-9999	µg/m <sup>3</sup>	M2
Zinc	0.000149	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210300776
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.5	°C	
Pressure		715.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.059171	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000055	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000153	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001190	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000031	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.097950	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000079	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001039	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000053	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000102	µg/m <sup>3</sup>	V0
Iron	0.001585	0.073224	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000087	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000412	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000061	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.029410	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001762	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000094	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000034	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000288	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000045	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021456	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.043270	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000103	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.205342	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.738901	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000402	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000176	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.002883	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000119	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000251	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 210300829
Start Date:	2021-03-16 11:04	End Date:	2021-03-16 11:05	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000094	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.016811	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001025	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000011	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.010268	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000020	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000120	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000058	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000207	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000020	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021373	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.017038	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.004762	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000152	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000016	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000601	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000052	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000043	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210300783
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.9	°C	
Pressure		733.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	21.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.489138	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000860	µg/m <sup>3</sup>	V4
Arsenic	0.000005	0.000318	µg/m <sup>3</sup>	V0
Barium	0.000054	0.012982	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000021	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000047	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000030	µg/m <sup>3</sup>	V0
Calcium	0.013042	1.143814	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000681	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000035	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.208985	µg/m <sup>3</sup>	V4
Cobalt	0.000005	0.000597	µg/m <sup>3</sup>	V0
Copper	0.000027	0.006270	µg/m <sup>3</sup>	V4
Iron	0.001585	2.426054	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000296	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000810	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000470	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.235736	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.025190	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.004093	µg/m <sup>3</sup>	V4
Neodymium	0.000005	0.000257	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.006111	µg/m <sup>3</sup>	V4
Niobium	0.000006	0.000277	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000099	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.034062	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.238226	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000073	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000694	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000048	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.941769	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000027	µg/m <sup>3</sup>	V0
Sodium	0.000777	2.115569	µg/m <sup>3</sup>	V4
Strontium	0.000012	0.003334	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000429	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000017	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000101	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000672	µg/m <sup>3</sup>	V4
Titanium	0.000031	0.020293	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001561	µg/m <sup>3</sup>	V4
Uranium	0.000003	0.000024	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.006915	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002382	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210300789
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.7	°C	
Pressure		714.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.095910	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000079	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000161	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001140	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000025	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000019	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.118605	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000134	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000012	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000813	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000050	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000191	µg/m <sup>3</sup>	V0
Iron	0.001585	0.166178	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000072	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000498	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000182	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.028120	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002100	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000075	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000055	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000396	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000305	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000122	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.026301	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.067695	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000019	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000142	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000013	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.251906	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000037	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.045431	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000576	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.003272	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000030	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.003960	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000543	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000011	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000208	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210300798
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.4	°C	
Pressure		725.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.330751	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000341	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000134	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006272	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000016	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000023	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000024	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.762132	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000471	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000025	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001498	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000205	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001327	µg/m <sup>3</sup>	V0
Iron	0.001585	0.531463	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000227	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000631	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000325	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.177618	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.009434	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000176	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000193	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000502	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000121	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000057	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.029275	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.158455	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000054	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000476	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000035	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.823050	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000016	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.632856	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002310	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000280	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000081	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000224	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.014667	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000588	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000020	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000796	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210300804
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.1	°C	
Pressure		728.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.207426	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000042	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000123	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001991	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.126759	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000204	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000028	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001253	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000082	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000150	µg/m <sup>3</sup>	V0
Iron	0.001585	0.177265	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000097	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000386	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000254	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.043749	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002680	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000105	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000091	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000400	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000150	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000051	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.020747	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.076940	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000024	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000283	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000018	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.689753	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000020	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.079562	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000810	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000485	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000041	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000016	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.008369	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000154	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000012	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000497	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210300807
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.6	°C	
Pressure		732.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	21.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.197803	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000066	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000292	µg/m <sup>3</sup>	V0
Barium	0.000054	0.009831	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000043	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000016	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000015	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.454337	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001068	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000105	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002140	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000323	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000745	µg/m <sup>3</sup>	V0
Iron	0.001585	0.807548	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000504	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000795	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001227	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.206439	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.011631	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000228	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000503	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001023	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000183	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000066	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.034691	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.318446	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000134	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001539	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000097	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.341963	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000022	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.173645	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.003385	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000296	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000019	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000203	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000020	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.039748	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000139	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000053	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002585	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300814
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.0	°C	
Pressure		733.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	23.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.886018	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000112	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000231	µg/m <sup>3</sup>	V0
Barium	0.000054	0.008461	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000029	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000022	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.883996	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000834	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000072	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001937	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000282	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000824	µg/m <sup>3</sup>	V0
Iron	0.001585	0.650572	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000389	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000681	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000862	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.193684	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.011008	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000316	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000386	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001619	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000108	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.029137	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.281072	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000101	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001238	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000070	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.924059	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000014	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.257371	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.003179	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000160	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000156	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000052	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.027138	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000258	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000040	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.003904	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210300833
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

Total PM appears blank compared to other samplers. Reason unknown.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.8	°C	
Pressure		708.1	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Aluminum	0.002800	-9999	µg/m <sup>3</sup>	M2
Antimony	0.000016	-9999	µg/m <sup>3</sup>	M2
Arsenic	0.000005	-9999	µg/m <sup>3</sup>	M2
Barium	0.000054	-9999	µg/m <sup>3</sup>	M2
Beryllium	0.000013	-9999	µg/m <sup>3</sup>	M2
Bismuth	0.000004	-9999	µg/m <sup>3</sup>	M2
Cadmium	0.000011	-9999	µg/m <sup>3</sup>	M2
Calcium	0.013042	-9999	µg/m <sup>3</sup>	M2
Cerium	0.000013	-9999	µg/m <sup>3</sup>	M2
Cesium	0.000004	-9999	µg/m <sup>3</sup>	M2
Chromium	0.000045	-9999	µg/m <sup>3</sup>	M2
Cobalt	0.000005	-9999	µg/m <sup>3</sup>	M2
Copper	0.000027	-9999	µg/m <sup>3</sup>	M2
Iron	0.001585	-9999	µg/m <sup>3</sup>	M2
Lanthanum	0.000004	-9999	µg/m <sup>3</sup>	M2
Lead	0.000018	-9999	µg/m <sup>3</sup>	M2
Lithium	0.000016	-9999	µg/m <sup>3</sup>	M2
Magnesium	0.000279	-9999	µg/m <sup>3</sup>	M2
Manganese	0.000028	-9999	µg/m <sup>3</sup>	M2
Molybdenum	0.000025	-9999	µg/m <sup>3</sup>	M2
Neodymium	0.000005	-9999	µg/m <sup>3</sup>	M2
Nickel	0.000015	-9999	µg/m <sup>3</sup>	M2
Niobium	0.000006	-9999	µg/m <sup>3</sup>	M2
Palladium	0.000050	-9999	µg/m <sup>3</sup>	M2
Phosphorus	0.003480	-9999	µg/m <sup>3</sup>	M2
Platinum	0.000004	-9999	µg/m <sup>3</sup>	M2
Potassium	0.000402	-9999	µg/m <sup>3</sup>	M2
Praseodymium	0.000002	-9999	µg/m <sup>3</sup>	M2
Rubidium	0.000003	-9999	µg/m <sup>3</sup>	M2
Samarium	0.000006	-9999	µg/m <sup>3</sup>	M2
Selenium	0.000133	-9999	µg/m <sup>3</sup>	M2
Silicon	0.010200	-9999	µg/m <sup>3</sup>	M2
Silver	0.000006	-9999	µg/m <sup>3</sup>	M2
Sodium	0.000777	-9999	µg/m <sup>3</sup>	M2
Strontium	0.000012	-9999	µg/m <sup>3</sup>	M2
Tantalum	0.000003	-9999	µg/m <sup>3</sup>	M2
Thallium	0.000005	-9999	µg/m <sup>3</sup>	M2
Thorium	0.000002	-9999	µg/m <sup>3</sup>	M2
Tin	0.000008	-9999	µg/m <sup>3</sup>	M2
Titanium	0.000031	-9999	µg/m <sup>3</sup>	M2
Tungsten	0.000005	-9999	µg/m <sup>3</sup>	M2
Uranium	0.000003	-9999	µg/m <sup>3</sup>	M2
Vanadium	0.000018	-9999	µg/m <sup>3</sup>	M2
Zinc	0.000149	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210300841
Start Date:	2021-03-19 14:00	End Date:	2021-03-20 14:00	Duration:	24.0 hr

### Notes

Sample did not run on NAPS day. Reset to run on March 19th at 14:00 MST to March 20th at 14:00 MST.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.9	°C	
Pressure		707.3	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	4.025	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.131797	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000067	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000151	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002431	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000013	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.206784	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000181	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000011	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.216272	µg/m <sup>3</sup>	V4
Cobalt	0.000005	0.000413	µg/m <sup>3</sup>	V0
Copper	0.000027	0.002076	µg/m <sup>3</sup>	V0
Iron	0.001585	1.755915	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000084	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000178	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000127	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.071744	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.012767	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.005580	µg/m <sup>3</sup>	V4
Neodymium	0.000005	0.000082	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.005685	µg/m <sup>3</sup>	V4
Niobium	0.000006	0.000179	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.024047	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.069416	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000021	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000202	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000016	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.364467	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.184194	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000546	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000202	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000033	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000093	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005602	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000403	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.007788	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 210300923
Start Date:	2021-03-22 12:05	End Date:	2021-03-22 12:06	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000025	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000075	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000007	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001233	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000015	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.010627	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000021	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000164	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000197	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000084	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000341	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000085	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000078	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.020769	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.010908	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.014681	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000024	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.005840	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000411	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000031	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000342	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000119	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000028	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210300867
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		719.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.093887	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000098	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000227	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001152	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000028	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000070	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000038	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.207864	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000184	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000118	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000736	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000057	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000490	µg/m <sup>3</sup>	V0
Iron	0.001585	0.111939	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000128	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000544	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000468	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.065448	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002605	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000095	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000104	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000474	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000180	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000212	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.026278	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000042	µg/m <sup>3</sup>	V4
Potassium	0.000402	0.059568	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000082	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000176	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000059	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.193005	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000054	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.190498	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000686	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002222	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000130	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000074	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000027	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003718	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000603	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000036	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000214	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00
		Set Index:	1
		WBEA ID:	210300874
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.8	°C	
Pressure		741.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	25.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.592250	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000268	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000282	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006831	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000022	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000020	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000016	µg/m <sup>3</sup>	V0
Calcium	0.013042	2.296581	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000696	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000054	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001464	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000279	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001627	µg/m <sup>3</sup>	V0
Iron	0.001585	0.696668	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000335	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000757	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000642	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.257628	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.013796	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000223	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000292	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000829	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000082	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.029503	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.256686	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000082	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000960	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000054	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000184	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.958885	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	1.750972	µg/m <sup>3</sup>	V4
Strontium	0.000012	0.004079	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000107	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000120	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000170	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.022782	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000643	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000030	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001251	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210300882
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		732.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	19.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.493961	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000252	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000238	µg/m <sup>3</sup>	V0
Barium	0.000054	0.005605	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000016	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000020	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	2.161893	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000546	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000043	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002276	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000204	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001223	µg/m <sup>3</sup>	V0
Iron	0.001585	0.477865	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000262	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000729	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000573	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.199074	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.009506	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000262	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000229	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000999	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000083	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.027708	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.206255	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000064	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000777	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000044	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.094607	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	1.012575	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.003637	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000177	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000102	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000140	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.018107	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000334	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000025	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001097	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210300890
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

Total PM appears blank compared to other samplers. Reason unknown.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.8	°C	
Pressure		712.4	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Aluminum	0.002800	-9999	µg/m <sup>3</sup>	M2
Antimony	0.000016	-9999	µg/m <sup>3</sup>	M2
Arsenic	0.000005	-9999	µg/m <sup>3</sup>	M2
Barium	0.000054	-9999	µg/m <sup>3</sup>	M2
Beryllium	0.000013	-9999	µg/m <sup>3</sup>	M2
Bismuth	0.000004	-9999	µg/m <sup>3</sup>	M2
Cadmium	0.000011	-9999	µg/m <sup>3</sup>	M2
Calcium	0.013042	-9999	µg/m <sup>3</sup>	M2
Cerium	0.000013	-9999	µg/m <sup>3</sup>	M2
Cesium	0.000004	-9999	µg/m <sup>3</sup>	M2
Chromium	0.000045	-9999	µg/m <sup>3</sup>	M2
Cobalt	0.000005	-9999	µg/m <sup>3</sup>	M2
Copper	0.000027	-9999	µg/m <sup>3</sup>	M2
Iron	0.001585	-9999	µg/m <sup>3</sup>	M2
Lanthanum	0.000004	-9999	µg/m <sup>3</sup>	M2
Lead	0.000018	-9999	µg/m <sup>3</sup>	M2
Lithium	0.000016	-9999	µg/m <sup>3</sup>	M2
Magnesium	0.000279	-9999	µg/m <sup>3</sup>	M2
Manganese	0.000028	-9999	µg/m <sup>3</sup>	M2
Molybdenum	0.000025	-9999	µg/m <sup>3</sup>	M2
Neodymium	0.000005	-9999	µg/m <sup>3</sup>	M2
Nickel	0.000015	-9999	µg/m <sup>3</sup>	M2
Niobium	0.000006	-9999	µg/m <sup>3</sup>	M2
Palladium	0.000050	-9999	µg/m <sup>3</sup>	M2
Phosphorus	0.003480	-9999	µg/m <sup>3</sup>	M2
Platinum	0.000004	-9999	µg/m <sup>3</sup>	M2
Potassium	0.000402	-9999	µg/m <sup>3</sup>	M2
Praseodymium	0.000002	-9999	µg/m <sup>3</sup>	M2
Rubidium	0.000003	-9999	µg/m <sup>3</sup>	M2
Samarium	0.000006	-9999	µg/m <sup>3</sup>	M2
Selenium	0.000133	-9999	µg/m <sup>3</sup>	M2
Silicon	0.010200	-9999	µg/m <sup>3</sup>	M2
Silver	0.000006	-9999	µg/m <sup>3</sup>	M2
Sodium	0.000777	-9999	µg/m <sup>3</sup>	M2
Strontium	0.000012	-9999	µg/m <sup>3</sup>	M2
Tantalum	0.000003	-9999	µg/m <sup>3</sup>	M2
Thallium	0.000005	-9999	µg/m <sup>3</sup>	M2
Thorium	0.000002	-9999	µg/m <sup>3</sup>	M2
Tin	0.000008	-9999	µg/m <sup>3</sup>	M2
Titanium	0.000031	-9999	µg/m <sup>3</sup>	M2
Tungsten	0.000005	-9999	µg/m <sup>3</sup>	M2
Uranium	0.000003	-9999	µg/m <sup>3</sup>	M2
Vanadium	0.000018	-9999	µg/m <sup>3</sup>	M2
Zinc	0.000149	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210300927
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.6	°C	
Pressure		721.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.050648	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000030	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000104	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000908	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000017	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.098954	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000082	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000559	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000033	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000035	µg/m <sup>3</sup>	V0
Iron	0.001585	0.064513	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000042	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000320	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000043	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.033343	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001749	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000027	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000035	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000216	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000039	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.024445	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.044475	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000108	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.261368	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.162165	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000418	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000163	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.003380	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000071	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000152	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210300932
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		736.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	42.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.820236	µg/m <sup>3</sup>	V4
Antimony	0.000016	0.000126	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000457	µg/m <sup>3</sup>	V0
Barium	0.000054	0.013081	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000065	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000048	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000043	µg/m <sup>3</sup>	V0
Calcium	0.013042	2.820028	µg/m <sup>3</sup>	V4
Cerium	0.000013	0.001916	µg/m <sup>3</sup>	V4
Cesium	0.000004	0.000172	µg/m <sup>3</sup>	V4
Chromium	0.000045	0.002424	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000610	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001328	µg/m <sup>3</sup>	V0
Iron	0.001585	1.388287	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000917	µg/m <sup>3</sup>	V4
Lead	0.000018	0.001235	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.002211	µg/m <sup>3</sup>	V4
Magnesium	0.000279	0.347598	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.025944	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000578	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000882	µg/m <sup>3</sup>	V4
Nickel	0.000015	0.002463	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000567	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000153	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.036605	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000015	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.502064	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000245	µg/m <sup>3</sup>	V4
Rubidium	0.000003	0.002479	µg/m <sup>3</sup>	V4
Samarium	0.000006	0.000172	µg/m <sup>3</sup>	V4
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	3.575009	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000050	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.438382	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.006510	µg/m <sup>3</sup>	V4
Tantalum	0.000003	0.004538	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000049	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000355	µg/m <sup>3</sup>	V4
Tin	0.000008	0.000061	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.059383	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000760	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000093	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.006303	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210300935
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C	
Pressure		740.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	57.792	µg/m <sup>3</sup>	V4
Aluminum	0.002800	2.535813	µg/m <sup>3</sup>	V4
Antimony	0.000016	0.000092	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000589	µg/m <sup>3</sup>	V0
Barium	0.000054	0.019481	µg/m <sup>3</sup>	V4
Beryllium	0.000013	0.000083	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000062	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000021	µg/m <sup>3</sup>	V0
Calcium	0.013042	5.133303	µg/m <sup>3</sup>	V4
Cerium	0.000013	0.002868	µg/m <sup>3</sup>	V4
Cesium	0.000004	0.000214	µg/m <sup>3</sup>	V4
Chromium	0.000045	0.003574	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000924	µg/m <sup>3</sup>	V4
Copper	0.000027	0.001328	µg/m <sup>3</sup>	V0
Iron	0.001585	1.892445	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.001327	µg/m <sup>3</sup>	V4
Lead	0.000018	0.001838	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.002713	µg/m <sup>3</sup>	V4
Magnesium	0.000279	0.501420	µg/m <sup>3</sup>	V4
Manganese	0.000028	0.039314	µg/m <sup>3</sup>	V4
Molybdenum	0.000025	0.000913	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.001231	µg/m <sup>3</sup>	V4
Nickel	0.000015	0.003654	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000318	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000097	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.039249	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.715714	µg/m <sup>3</sup>	V4
Praseodymium	0.000002	0.000334	µg/m <sup>3</sup>	V4
Rubidium	0.000003	0.003681	µg/m <sup>3</sup>	V4
Samarium	0.000006	0.000239	µg/m <sup>3</sup>	V4
Selenium	0.000133	0.000175	µg/m <sup>3</sup>	V0
Silicon	0.010200	4.542103	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000020	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.575082	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.010400	µg/m <sup>3</sup>	V4
Tantalum	0.000003	0.000179	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000034	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000517	µg/m <sup>3</sup>	V4
Tin	0.000008	0.000124	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.099856	µg/m <sup>3</sup>	V4
Tungsten	0.000005	0.000320	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000131	µg/m <sup>3</sup>	V4
Vanadium	0.000018	0.010499	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300941
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		741.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	66.500	µg/m <sup>3</sup>	V4
Aluminum	0.002800	3.017394	µg/m <sup>3</sup>	V4
Antimony	0.000016	0.000093	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000688	µg/m <sup>3</sup>	V0
Barium	0.000054	0.022866	µg/m <sup>3</sup>	V4
Beryllium	0.000013	0.000094	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000030	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000023	µg/m <sup>3</sup>	V0
Calcium	0.013042	4.543060	µg/m <sup>3</sup>	V4
Cerium	0.000013	0.003426	µg/m <sup>3</sup>	V4
Cesium	0.000004	0.000232	µg/m <sup>3</sup>	V4
Chromium	0.000045	0.004086	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.001087	µg/m <sup>3</sup>	V4
Copper	0.000027	0.001606	µg/m <sup>3</sup>	V0
Iron	0.001585	2.508158	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.001597	µg/m <sup>3</sup>	V4
Lead	0.000018	0.001804	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.003236	µg/m <sup>3</sup>	V4
Magnesium	0.000279	0.578152	µg/m <sup>3</sup>	V4
Manganese	0.000028	0.050047	µg/m <sup>3</sup>	V4
Molybdenum	0.000025	0.000803	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.001511	µg/m <sup>3</sup>	V4
Nickel	0.000015	0.003403	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000402	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000123	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.049719	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.791581	µg/m <sup>3</sup>	V4
Praseodymium	0.000002	0.000399	µg/m <sup>3</sup>	V4
Rubidium	0.000003	0.004220	µg/m <sup>3</sup>	V4
Samarium	0.000006	0.000281	µg/m <sup>3</sup>	V4
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	4.525139	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000023	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.587795	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.010942	µg/m <sup>3</sup>	V4
Tantalum	0.000003	0.000203	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000040	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000629	µg/m <sup>3</sup>	V4
Tin	0.000008	0.000111	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.124633	µg/m <sup>3</sup>	V4
Tungsten	0.000005	0.000464	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000151	µg/m <sup>3</sup>	V4
Vanadium	0.000018	0.010056	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000361	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210301025
Start Date:	2021-03-26 10:45	End Date:	2021-03-26 10:46	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000087	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.023258	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000010	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000745	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000013	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.009498	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000166	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000036	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000295	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000024	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.016317	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.009548	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.028395	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.018441	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000036	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000103	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000009	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000666	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000054	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000027	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210300990
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.5	°C	
Pressure		732.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	21.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.847816	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000069	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000241	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006570	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000027	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000015	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000013	µg/m <sup>3</sup>	V0
Calcium	0.013042	1.183267	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000920	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000062	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001571	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000288	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000482	µg/m <sup>3</sup>	V0
Iron	0.001585	0.553564	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000428	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000754	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001002	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.143354	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.010724	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000351	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000387	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.002239	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000162	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.031006	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.236252	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000110	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001132	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000071	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.979979	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000015	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.282027	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.003050	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000239	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000155	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000028	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.034188	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000178	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000039	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.006580	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210300998
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.4	°C	
Pressure		724.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	17.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.694116	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000067	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000226	µg/m <sup>3</sup>	V0
Barium	0.000054	0.005532	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000026	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000018	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000013	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.593106	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000775	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000050	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001367	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000269	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000531	µg/m <sup>3</sup>	V0
Iron	0.001585	0.600574	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000354	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000684	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000837	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.110285	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.010886	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000241	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000351	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.003836	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000136	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.030504	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.192466	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000092	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000875	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000064	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.339733	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000016	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.150896	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002089	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000235	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000019	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000139	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000035	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.030352	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000148	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000037	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.008930	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210301004
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.3	°C	
Pressure		711.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.279796	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000035	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000181	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002169	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.297994	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000310	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000025	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000747	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000091	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000357	µg/m <sup>3</sup>	V0
Iron	0.001585	0.214467	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000147	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000367	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000323	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.050159	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003749	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000159	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000134	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000633	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000060	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.024501	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.083463	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000037	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000341	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000023	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.739414	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.087182	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000875	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000178	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000050	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.010149	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000135	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000014	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001467	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210301010
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, partisol had sample period status code. Long sample duration and high sample volume a result of power outage at site.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		711.1	mmHg	
Sample Volume		25.2	m <sup>3</sup>	V6
Particulate Matter	0.042	17.579	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.744490	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000041	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000191	µg/m <sup>3</sup>	V0
Barium	0.000054	0.005543	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000026	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.587355	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000803	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000053	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.003760	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000265	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001271	µg/m <sup>3</sup>	V0
Iron	0.001585	0.515653	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000371	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000614	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000806	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.103828	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.009470	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000191	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000342	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.002565	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000173	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000055	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.030239	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.199246	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000094	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000967	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000061	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.552094	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000019	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.101873	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001945	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000484	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000142	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.026871	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000161	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000031	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002685	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210301017
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

### Notes

Total PM appears blank compared to other samplers. Reason unknown.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.9	°C	
Pressure		703.1	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Aluminum	0.002800	-9999	µg/m <sup>3</sup>	M2
Antimony	0.000016	-9999	µg/m <sup>3</sup>	M2
Arsenic	0.000005	-9999	µg/m <sup>3</sup>	M2
Barium	0.000054	-9999	µg/m <sup>3</sup>	M2
Beryllium	0.000013	-9999	µg/m <sup>3</sup>	M2
Bismuth	0.000004	-9999	µg/m <sup>3</sup>	M2
Cadmium	0.000011	-9999	µg/m <sup>3</sup>	M2
Calcium	0.013042	-9999	µg/m <sup>3</sup>	M2
Cerium	0.000013	-9999	µg/m <sup>3</sup>	M2
Cesium	0.000004	-9999	µg/m <sup>3</sup>	M2
Chromium	0.000045	-9999	µg/m <sup>3</sup>	M2
Cobalt	0.000005	-9999	µg/m <sup>3</sup>	M2
Copper	0.000027	-9999	µg/m <sup>3</sup>	M2
Iron	0.001585	-9999	µg/m <sup>3</sup>	M2
Lanthanum	0.000004	-9999	µg/m <sup>3</sup>	M2
Lead	0.000018	-9999	µg/m <sup>3</sup>	M2
Lithium	0.000016	-9999	µg/m <sup>3</sup>	M2
Magnesium	0.000279	-9999	µg/m <sup>3</sup>	M2
Manganese	0.000028	-9999	µg/m <sup>3</sup>	M2
Molybdenum	0.000025	-9999	µg/m <sup>3</sup>	M2
Neodymium	0.000005	-9999	µg/m <sup>3</sup>	M2
Nickel	0.000015	-9999	µg/m <sup>3</sup>	M2
Niobium	0.000006	-9999	µg/m <sup>3</sup>	M2
Palladium	0.000050	-9999	µg/m <sup>3</sup>	M2
Phosphorus	0.003480	-9999	µg/m <sup>3</sup>	M2
Platinum	0.000004	-9999	µg/m <sup>3</sup>	M2
Potassium	0.000402	-9999	µg/m <sup>3</sup>	M2
Praseodymium	0.000002	-9999	µg/m <sup>3</sup>	M2
Rubidium	0.000003	-9999	µg/m <sup>3</sup>	M2
Samarium	0.000006	-9999	µg/m <sup>3</sup>	M2
Selenium	0.000133	-9999	µg/m <sup>3</sup>	M2
Silicon	0.010200	-9999	µg/m <sup>3</sup>	M2
Silver	0.000006	-9999	µg/m <sup>3</sup>	M2
Sodium	0.000777	-9999	µg/m <sup>3</sup>	M2
Strontium	0.000012	-9999	µg/m <sup>3</sup>	M2
Tantalum	0.000003	-9999	µg/m <sup>3</sup>	M2
Thallium	0.000005	-9999	µg/m <sup>3</sup>	M2
Thorium	0.000002	-9999	µg/m <sup>3</sup>	M2
Tin	0.000008	-9999	µg/m <sup>3</sup>	M2
Titanium	0.000031	-9999	µg/m <sup>3</sup>	M2
Tungsten	0.000005	-9999	µg/m <sup>3</sup>	M2
Uranium	0.000003	-9999	µg/m <sup>3</sup>	M2
Vanadium	0.000018	-9999	µg/m <sup>3</sup>	M2
Zinc	0.000149	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210301029
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		733.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	18.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.771728	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000036	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000221	µg/m <sup>3</sup>	V0
Barium	0.000054	0.005908	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000024	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000011	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.856276	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000907	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000061	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001594	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000258	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000426	µg/m <sup>3</sup>	V0
Iron	0.001585	0.816927	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000431	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000642	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000917	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.157656	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.015760	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000121	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000386	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001055	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000125	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.028689	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.198844	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000102	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000961	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000070	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.736628	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.114193	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002446	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000212	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000157	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.027959	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000166	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000036	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001660	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210301043
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		728.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.557743	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000040	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000179	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004772	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000024	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000011	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.269257	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000567	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000045	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002207	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000163	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000356	µg/m <sup>3</sup>	V0
Iron	0.001585	0.573903	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000271	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000611	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000607	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.108021	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.009612	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000146	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000236	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001069	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000090	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.028126	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.151189	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000067	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000687	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000047	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.982486	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.120117	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001503	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000150	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000108	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.018180	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000141	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000024	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001460	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210301046
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.7	°C	
Pressure		732.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	15.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.704831	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000040	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000193	µg/m <sup>3</sup>	V0
Barium	0.000054	0.005294	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000024	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.518171	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000747	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000048	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001229	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000213	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000460	µg/m <sup>3</sup>	V0
Iron	0.001585	0.578902	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000349	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000626	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000803	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.146931	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.011394	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000109	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000329	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000756	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000086	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.025053	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.186277	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000089	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000862	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000063	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.954469	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.120226	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001961	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000075	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000140	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000018	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.021732	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000085	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000030	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001448	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401128
Start Date:	2021-04-01 14:30	End Date:	2021-04-01 14:31	Duration:	0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.004194	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000010	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.014819	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000812	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000039	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000028	µg/m <sup>3</sup>	V0
Iron	0.001585	0.006194	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000030	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002380	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000099	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000051	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000286	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000045	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018160	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.003598	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.001452	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000028	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000247	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000349	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000053	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000031	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210301080
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.2	°C	
Pressure		731.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	26.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.854527	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000113	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000233	µg/m <sup>3</sup>	V0
Barium	0.000054	0.008526	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000028	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000014	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000027	µg/m <sup>3</sup>	V0
Calcium	0.013042	1.680663	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001034	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000083	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002219	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000337	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001204	µg/m <sup>3</sup>	V0
Iron	0.001585	0.795173	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000515	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000686	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000930	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.217528	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.015480	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000525	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000466	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.002283	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000149	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000056	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.026116	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.255239	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000114	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001355	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000084	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.882250	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000012	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.175538	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.004407	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000194	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000170	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000137	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.038115	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000233	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000048	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.004163	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001896	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210301089
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.5	°C	
Pressure		726.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	39.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.699687	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000082	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000492	µg/m <sup>3</sup>	V0
Barium	0.000054	0.017311	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000059	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000023	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.750857	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001690	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000182	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002700	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000603	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001265	µg/m <sup>3</sup>	V0
Iron	0.001585	1.208843	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000837	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001006	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001921	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.304966	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.017648	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000401	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000821	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.002123	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000290	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000081	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.032117	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.518075	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000190	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.002676	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000152	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	5.129297	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000015	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.191873	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.005675	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000246	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000034	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000307	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000091	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.086339	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000153	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000095	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.006332	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002172	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210301091
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.1	°C	
Pressure		730.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	25.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.560152	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000095	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000191	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006178	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000021	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.775989	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000690	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000066	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001279	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000265	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001391	µg/m <sup>3</sup>	V0
Iron	0.001585	0.472556	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000339	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000510	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000696	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.130767	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.008959	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000413	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000303	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001714	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000114	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.022099	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.208214	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000076	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001038	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000057	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000163	µg/m <sup>3</sup>	V0
Silicon	0.010200	2.122988	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.126126	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002613	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000161	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000108	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000182	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.029792	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000135	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000032	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.004037	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001102	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210301099
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

### Notes

PM data appears blank compared to other samplers. Reason unknown.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.0	°C	
Pressure		704.2	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Aluminum	0.002800	-9999	µg/m <sup>3</sup>	M2
Antimony	0.000016	-9999	µg/m <sup>3</sup>	M2
Arsenic	0.000005	-9999	µg/m <sup>3</sup>	M2
Barium	0.000054	-9999	µg/m <sup>3</sup>	M2
Beryllium	0.000013	-9999	µg/m <sup>3</sup>	M2
Bismuth	0.000004	-9999	µg/m <sup>3</sup>	M2
Cadmium	0.000011	-9999	µg/m <sup>3</sup>	M2
Calcium	0.013042	-9999	µg/m <sup>3</sup>	M2
Cerium	0.000013	-9999	µg/m <sup>3</sup>	M2
Cesium	0.000004	-9999	µg/m <sup>3</sup>	M2
Chromium	0.000045	-9999	µg/m <sup>3</sup>	M2
Cobalt	0.000005	-9999	µg/m <sup>3</sup>	M2
Copper	0.000027	-9999	µg/m <sup>3</sup>	M2
Iron	0.001585	-9999	µg/m <sup>3</sup>	M2
Lanthanum	0.000004	-9999	µg/m <sup>3</sup>	M2
Lead	0.000018	-9999	µg/m <sup>3</sup>	M2
Lithium	0.000016	-9999	µg/m <sup>3</sup>	M2
Magnesium	0.000279	-9999	µg/m <sup>3</sup>	M2
Manganese	0.000028	-9999	µg/m <sup>3</sup>	M2
Molybdenum	0.000025	-9999	µg/m <sup>3</sup>	M2
Neodymium	0.000005	-9999	µg/m <sup>3</sup>	M2
Nickel	0.000015	-9999	µg/m <sup>3</sup>	M2
Niobium	0.000006	-9999	µg/m <sup>3</sup>	M2
Palladium	0.000050	-9999	µg/m <sup>3</sup>	M2
Phosphorus	0.003480	-9999	µg/m <sup>3</sup>	M2
Platinum	0.000004	-9999	µg/m <sup>3</sup>	M2
Potassium	0.000402	-9999	µg/m <sup>3</sup>	M2
Praseodymium	0.000002	-9999	µg/m <sup>3</sup>	M2
Rubidium	0.000003	-9999	µg/m <sup>3</sup>	M2
Samarium	0.000006	-9999	µg/m <sup>3</sup>	M2
Selenium	0.000133	-9999	µg/m <sup>3</sup>	M2
Silicon	0.010200	-9999	µg/m <sup>3</sup>	M2
Silver	0.000006	-9999	µg/m <sup>3</sup>	M2
Sodium	0.000777	-9999	µg/m <sup>3</sup>	M2
Strontium	0.000012	-9999	µg/m <sup>3</sup>	M2
Tantalum	0.000003	-9999	µg/m <sup>3</sup>	M2
Thallium	0.000005	-9999	µg/m <sup>3</sup>	M2
Thorium	0.000002	-9999	µg/m <sup>3</sup>	M2
Tin	0.000008	-9999	µg/m <sup>3</sup>	M2
Titanium	0.000031	-9999	µg/m <sup>3</sup>	M2
Tungsten	0.000005	-9999	µg/m <sup>3</sup>	M2
Uranium	0.000003	-9999	µg/m <sup>3</sup>	M2
Vanadium	0.000018	-9999	µg/m <sup>3</sup>	M2
Zinc	0.000149	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210301105
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.1	°C	
Pressure		712.8	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	3.776	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.061730	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000088	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000067	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000726	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.075750	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000082	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000011	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001037	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000075	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000169	µg/m <sup>3</sup>	V0
Iron	0.001585	0.067716	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000046	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000139	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000122	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.024837	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001385	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000064	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000035	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000378	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000477	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000074	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.020214	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.030037	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000103	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000008	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.293356	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000030	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.024457	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000319	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.007738	µg/m <sup>3</sup>	V4
Thallium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000018	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000034	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003008	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000627	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000153	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401109
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.1	°C	
Pressure		711.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.120011	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000098	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000089	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001135	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.091716	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000126	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000013	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000830	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000060	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000625	µg/m <sup>3</sup>	V0
Iron	0.001585	0.077269	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000067	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000342	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000104	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.031338	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001843	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000054	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000051	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000314	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000076	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.024522	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.040318	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000014	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000162	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000009	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000140	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.271651	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.024726	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000478	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000265	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000022	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000033	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005042	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000093	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000207	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210401119
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.7	°C	
Pressure		731.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	19.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.340988	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000760	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000231	µg/m <sup>3</sup>	V0
Barium	0.000054	0.007501	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000018	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000022	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.895300	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000506	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000030	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001478	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000250	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001562	µg/m <sup>3</sup>	V0
Iron	0.001585	0.497497	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000256	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000469	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000396	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.160268	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.009456	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000213	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000234	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000654	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000095	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.023473	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.159481	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000054	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000584	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000038	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.447384	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000013	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.493630	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002405	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000212	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000082	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000262	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.017284	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000707	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000021	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000944	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003674	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401125
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.4	°C	
Pressure		723.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	19.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.486825	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000452	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000327	µg/m <sup>3</sup>	V0
Barium	0.000054	0.008464	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000114	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000180	µg/m <sup>3</sup>	V4
Cadmium	0.000011	0.000043	µg/m <sup>3</sup>	V4
Calcium	0.013042	0.909298	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000688	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000063	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001426	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000326	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001794	µg/m <sup>3</sup>	V0
Iron	0.001585	0.672138	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000351	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000734	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000630	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.197670	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.012509	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000214	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000299	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000707	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000177	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000077	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.025562	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000228	µg/m <sup>3</sup>	V4
Potassium	0.000402	0.179323	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000087	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000800	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000117	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.754770	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000039	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.436251	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002946	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000354	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000208	µg/m <sup>3</sup>	V4
Thorium	0.000002	0.000251	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000295	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.022344	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000543	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000153	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001389	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003850	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 210401178
Start Date:	2021-04-08 11:15	End Date:	2021-04-08 11:16	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.003629	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000059	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000092	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	0.000021	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000055	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.016249	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000014	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000020	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000285	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000043	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000185	µg/m <sup>3</sup>	V0
Iron	0.001585	0.005855	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000050	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000376	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001367	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000166	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000052	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000032	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000135	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000204	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000196	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.017263	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000064	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.012792	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000034	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000040	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.029993	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000054	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.002939	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000035	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002278	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000143	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000042	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000020	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000513	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000544	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000032	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000038	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401140
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.2	°C	
Pressure		733.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	16.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.760414	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000031	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000208	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006805	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000026	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000011	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000013	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.421481	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000847	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000061	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001924	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000259	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000571	µg/m <sup>3</sup>	V0
Iron	0.001585	0.728958	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000400	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000599	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000906	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.133543	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.014152	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000156	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000349	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000774	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000154	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.026900	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.184908	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000088	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000928	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000062	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.408448	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.139173	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002307	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000284	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000142	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000051	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.030384	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000163	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000035	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001596	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210401151
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.1	°C	
Pressure		728.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.130242	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000025	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000081	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001376	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.108193	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000158	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000012	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001144	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000069	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000149	µg/m <sup>3</sup>	V0
Iron	0.001585	0.137483	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000079	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000210	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000173	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.035378	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002313	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000138	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000073	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000213	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000050	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.017611	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.043021	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000017	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000201	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000013	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.568992	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.059537	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000527	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000151	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000028	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000022	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005801	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000059	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000391	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210401154
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.4	°C	
Pressure		732.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	20.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.943240	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000057	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000264	µg/m <sup>3</sup>	V0
Barium	0.000054	0.008924	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000034	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000011	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000015	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.496309	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001146	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000081	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.003200	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000335	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000566	µg/m <sup>3</sup>	V0
Iron	0.001585	0.818123	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000544	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000736	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001299	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.150754	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.014522	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000248	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000500	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000840	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000175	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.028085	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.256254	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000123	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001329	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000093	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.113269	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.162469	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002886	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000151	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000019	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000186	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000067	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.043071	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000134	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000048	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002157	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000240	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401159
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.2	°C	
Pressure		711.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.085255	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000032	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000068	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001220	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.106436	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000113	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000297	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000065	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000215	µg/m <sup>3</sup>	V0
Iron	0.001585	0.072824	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000061	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000247	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000086	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.035391	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001791	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000030	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000048	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000195	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000050	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021134	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.032477	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000140	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000008	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.346188	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.047527	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000405	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000182	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000020	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000046	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.004374	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000080	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000182	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401165
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

### Notes

PM data appears blank compared to other samplers. Reason unknown.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.4	°C	
Pressure		702.7	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Aluminum	0.002800	-9999	µg/m <sup>3</sup>	M2
Antimony	0.000016	-9999	µg/m <sup>3</sup>	M2
Arsenic	0.000005	-9999	µg/m <sup>3</sup>	M2
Barium	0.000054	-9999	µg/m <sup>3</sup>	M2
Beryllium	0.000013	-9999	µg/m <sup>3</sup>	M2
Bismuth	0.000004	-9999	µg/m <sup>3</sup>	M2
Cadmium	0.000011	-9999	µg/m <sup>3</sup>	M2
Calcium	0.013042	-9999	µg/m <sup>3</sup>	M2
Cerium	0.000013	-9999	µg/m <sup>3</sup>	M2
Cesium	0.000004	-9999	µg/m <sup>3</sup>	M2
Chromium	0.000045	-9999	µg/m <sup>3</sup>	M2
Cobalt	0.000005	-9999	µg/m <sup>3</sup>	M2
Copper	0.000027	-9999	µg/m <sup>3</sup>	M2
Iron	0.001585	-9999	µg/m <sup>3</sup>	M2
Lanthanum	0.000004	-9999	µg/m <sup>3</sup>	M2
Lead	0.000018	-9999	µg/m <sup>3</sup>	M2
Lithium	0.000016	-9999	µg/m <sup>3</sup>	M2
Magnesium	0.000279	-9999	µg/m <sup>3</sup>	M2
Manganese	0.000028	-9999	µg/m <sup>3</sup>	M2
Molybdenum	0.000025	-9999	µg/m <sup>3</sup>	M2
Neodymium	0.000005	-9999	µg/m <sup>3</sup>	M2
Nickel	0.000015	-9999	µg/m <sup>3</sup>	M2
Niobium	0.000006	-9999	µg/m <sup>3</sup>	M2
Palladium	0.000050	-9999	µg/m <sup>3</sup>	M2
Phosphorus	0.003480	-9999	µg/m <sup>3</sup>	M2
Platinum	0.000004	-9999	µg/m <sup>3</sup>	M2
Potassium	0.000402	-9999	µg/m <sup>3</sup>	M2
Praseodymium	0.000002	-9999	µg/m <sup>3</sup>	M2
Rubidium	0.000003	-9999	µg/m <sup>3</sup>	M2
Samarium	0.000006	-9999	µg/m <sup>3</sup>	M2
Selenium	0.000133	-9999	µg/m <sup>3</sup>	M2
Silicon	0.010200	-9999	µg/m <sup>3</sup>	M2
Silver	0.000006	-9999	µg/m <sup>3</sup>	M2
Sodium	0.000777	-9999	µg/m <sup>3</sup>	M2
Strontium	0.000012	-9999	µg/m <sup>3</sup>	M2
Tantalum	0.000003	-9999	µg/m <sup>3</sup>	M2
Thallium	0.000005	-9999	µg/m <sup>3</sup>	M2
Thorium	0.000002	-9999	µg/m <sup>3</sup>	M2
Tin	0.000008	-9999	µg/m <sup>3</sup>	M2
Titanium	0.000031	-9999	µg/m <sup>3</sup>	M2
Tungsten	0.000005	-9999	µg/m <sup>3</sup>	M2
Uranium	0.000003	-9999	µg/m <sup>3</sup>	M2
Vanadium	0.000018	-9999	µg/m <sup>3</sup>	M2
Zinc	0.000149	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401174
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.5	°C	
Pressure		723.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	20.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.687210	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000087	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000165	µg/m <sup>3</sup>	V0
Barium	0.000054	0.005575	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000025	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000019	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.796349	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000684	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000062	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001876	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000238	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000799	µg/m <sup>3</sup>	V0
Iron	0.001585	0.482851	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000328	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000491	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000890	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.115880	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.009429	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000180	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000309	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000866	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000146	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000072	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.021085	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.203628	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000075	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001006	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000056	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.487029	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000019	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.116783	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002298	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000459	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000031	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000117	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000068	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.023853	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000199	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000034	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001314	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210401182
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.7	°C	
Pressure		732.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	15.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.685053	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000124	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000159	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006481	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000020	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000011	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.678631	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000733	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000063	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001432	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000234	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000894	µg/m <sup>3</sup>	V0
Iron	0.001585	0.355034	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000355	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000594	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000736	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.127394	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.006842	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000149	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000332	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000474	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000118	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.023452	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.213343	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000081	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000999	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000060	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.875926	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000013	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.228770	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002238	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000179	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000110	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000078	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.026577	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000119	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000031	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001241	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000734	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401191
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.9	°C	
Pressure		711.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.066843	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000061	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000094	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000778	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.086159	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000082	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000011	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000541	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000056	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000360	µg/m <sup>3</sup>	V0
Iron	0.001585	0.055567	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000044	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000215	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000236	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.026679	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001198	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000089	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000033	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000327	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000101	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000089	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.016958	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.032390	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000115	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.301142	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000027	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.049379	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000329	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000483	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000038	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000043	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003589	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000149	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000160	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 210401202
Start Date:	2021-04-12 12:05	End Date:	2021-04-12 12:06	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.003709	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000009	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000216	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.015918	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000560	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000027	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000353	µg/m <sup>3</sup>	V0
Iron	0.001585	0.007836	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000068	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001286	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000098	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000040	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000127	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000042	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.014871	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.005031	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000011	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000022	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000221	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000015	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001290	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000089	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000030	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401196
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.8	°C	
Pressure		733.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	37.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.100444	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000476	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000315	µg/m <sup>3</sup>	V0
Barium	0.000054	0.013197	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000043	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000021	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000019	µg/m <sup>3</sup>	V0
Calcium	0.013042	2.092573	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001351	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000090	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001639	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000481	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001813	µg/m <sup>3</sup>	V0
Iron	0.001585	1.072293	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000685	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000775	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001221	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.348056	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.019052	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000353	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000605	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001009	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000160	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000055	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.028440	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.348099	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000148	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001715	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000104	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000137	µg/m <sup>3</sup>	V0
Silicon	0.010200	3.553088	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000014	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.299663	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.006005	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000156	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000021	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000223	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000283	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.044029	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000615	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000056	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002993	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003229	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401208
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.4	°C	
Pressure		722.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.223666	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000053	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000121	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002789	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.336269	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000300	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000023	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001879	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000112	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000341	µg/m <sup>3</sup>	V0
Iron	0.001585	0.290570	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000146	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000335	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000272	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.077927	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004683	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000159	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000146	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000421	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000075	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.019155	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.079020	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000033	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000334	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000026	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000156	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.637965	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.046454	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001089	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000223	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000017	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000054	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000035	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.009901	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000127	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000013	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000779	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210401216
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.2	°C	
Pressure		741.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	29.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.826033	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000213	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000216	µg/m <sup>3</sup>	V0
Barium	0.000054	0.008803	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000027	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000018	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	1.335045	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000886	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000072	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001759	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000358	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001489	µg/m <sup>3</sup>	V0
Iron	0.001585	0.729808	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000428	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000627	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000902	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.212410	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.012822	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000282	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000388	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001084	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000135	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000050	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.025022	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.259940	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000097	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001267	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000074	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000170	µg/m <sup>3</sup>	V0
Silicon	0.010200	2.673635	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000012	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.231715	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.003862	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000227	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000019	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000154	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000176	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.034874	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000579	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000041	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002273	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003189	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210401220
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.9	°C	
Pressure		736.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	37.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.589028	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000055	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000275	µg/m <sup>3</sup>	V0
Barium	0.000054	0.013320	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000058	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000016	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.680576	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001694	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000146	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.003048	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000494	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001062	µg/m <sup>3</sup>	V0
Iron	0.001585	1.064451	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000834	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000808	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.002040	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.223409	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.020038	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000451	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000725	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001573	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000300	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000081	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.027320	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.381123	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000184	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.002165	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000134	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000170	µg/m <sup>3</sup>	V0
Silicon	0.010200	4.238890	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000021	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.134215	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.004691	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000287	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000026	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000283	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000119	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.073286	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000171	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000076	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.003640	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000397	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210401223
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.6	°C	
Pressure		740.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	45.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	2.106043	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000160	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000477	µg/m <sup>3</sup>	V0
Barium	0.000054	0.019775	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000073	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000038	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000017	µg/m <sup>3</sup>	V0
Calcium	0.013042	1.712818	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.002398	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000205	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.004135	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000710	µg/m <sup>3</sup>	V0
Copper	0.000027	0.002107	µg/m <sup>3</sup>	V0
Iron	0.001585	1.955308	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.001164	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001093	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.002797	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.352338	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.035809	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000560	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.001048	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.002510	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000322	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000088	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.037555	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.562627	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000259	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.003054	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000197	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	5.046767	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000018	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.203626	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.007542	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000247	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000032	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000385	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000139	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.096053	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000323	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000109	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.005516	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005567	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401227
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.8	°C	
Pressure		742.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	43.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.405093	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000113	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000324	µg/m <sup>3</sup>	V0
Barium	0.000054	0.013412	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000053	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000018	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000016	µg/m <sup>3</sup>	V0
Calcium	0.013042	1.309989	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001618	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000147	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002611	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000510	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001502	µg/m <sup>3</sup>	V0
Iron	0.001585	1.102522	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000768	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000789	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.002006	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.246259	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.020774	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000340	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000716	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001357	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000279	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000067	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.030593	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.443023	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000173	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.002359	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000132	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	4.514624	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000014	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.156555	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.005631	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000180	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000027	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000256	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000117	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.073277	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000173	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000075	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.003895	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005795	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Conklin	Loc ID:	CONK
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00
		Set Index:	1
		WBEA ID:	210401245
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.6	°C	
Pressure		714.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.227656	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000065	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000099	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003234	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000023	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.291232	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000336	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000020	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002200	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000133	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000459	µg/m <sup>3</sup>	V0
Iron	0.001585	0.256646	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000168	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000326	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000240	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.086596	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.005556	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000103	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000143	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000837	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000077	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021784	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.089239	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000037	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000376	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000025	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.715832	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.063835	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001234	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000184	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000053	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000046	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.011263	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000154	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000013	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000536	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401252
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.2	°C	
Pressure		723.0	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	10.664	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.297647	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000106	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000143	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004030	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000015	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.299259	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000415	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000025	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001482	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000152	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000391	µg/m <sup>3</sup>	V0
Iron	0.001585	0.268850	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000221	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000384	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000309	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.092678	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.006769	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000094	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000197	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000631	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000108	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.025859	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.104302	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000047	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000478	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000034	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.374602	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000011	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.056810	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001325	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000239	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000075	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000070	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.014067	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000180	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000018	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000676	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 210401817
Start Date:	2021-04-21 12:20	End Date:	2021-04-21 12:21	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000076	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000206	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	0.000034	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000093	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000055	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.013451	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000026	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000649	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000044	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000129	µg/m <sup>3</sup>	V0
Iron	0.001585	0.004016	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000107	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000321	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001519	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000340	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000083	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000220	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000204	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000229	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.019681	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000033	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.007115	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000042	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000013	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000128	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000053	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002068	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000128	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000070	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000055	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000451	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000532	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000054	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000040	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401769
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.2	°C	
Pressure		717.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.260864	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000042	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000120	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002172	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000014	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.124285	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000253	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000027	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000746	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000120	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000223	µg/m <sup>3</sup>	V0
Iron	0.001585	0.167606	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000123	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000242	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000453	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.037581	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002901	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000082	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000114	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000412	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000093	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000093	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.021937	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.080220	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000029	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000350	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000020	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.701731	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000034	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.058247	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000712	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000281	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000042	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000044	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000040	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.010263	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000144	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000013	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000576	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210401776
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.5	°C	
Pressure		738.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.468339	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000106	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000145	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004570	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000020	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.348838	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000493	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000041	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001668	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000195	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000564	µg/m <sup>3</sup>	V0
Iron	0.001585	0.367967	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000231	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000459	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000616	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.089937	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.006704	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000232	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000217	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001050	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000100	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.023537	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.132578	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000055	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000647	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000040	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.046891	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.164038	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001596	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000156	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000088	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000081	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.020552	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000135	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000025	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002008	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001198	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401782
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.4	°C	
Pressure		729.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.310247	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000063	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000107	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002956	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.187311	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000329	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000026	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000793	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000125	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000439	µg/m <sup>3</sup>	V0
Iron	0.001585	0.214846	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000159	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000472	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000408	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.058963	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004237	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000075	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000148	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000547	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000069	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.017699	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.089673	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000035	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000418	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000027	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.768321	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.088124	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001055	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000126	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000054	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000057	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.013703	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000059	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000015	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000989	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401799
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.2	°C	
Pressure		738.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.174941	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000035	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000067	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001643	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.138532	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000182	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000016	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000605	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000083	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000236	µg/m <sup>3</sup>	V0
Iron	0.001585	0.142354	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000087	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000248	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000239	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.036936	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002756	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000060	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000082	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000271	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000052	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018088	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.063789	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000020	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000254	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000015	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.665241	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.063653	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000671	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000150	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000031	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000031	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.007815	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000048	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000008	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000396	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210401806
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.4	°C	
Pressure		733.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.332371	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000043	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000082	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002855	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000014	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.120934	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000359	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000029	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000768	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000124	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000256	µg/m <sup>3</sup>	V0
Iron	0.001585	0.226104	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000178	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000300	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000422	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.058017	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004125	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000084	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000156	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000394	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000099	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.015805	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.090262	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000039	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000439	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000028	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.897998	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000011	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.084798	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000961	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000282	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000063	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000038	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.012836	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000162	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000015	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000686	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210401809
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.3	°C	
Pressure		737.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.142929	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000036	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000052	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001458	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.097135	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000149	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000013	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000546	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000071	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000190	µg/m <sup>3</sup>	V0
Iron	0.001585	0.107216	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000069	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000213	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000203	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.033993	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002113	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000054	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000067	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000242	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000059	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.016725	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.053007	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000200	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000012	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.509580	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.062021	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000498	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000159	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000024	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000026	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.006702	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000077	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000328	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401821
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.2	°C	
Pressure		710.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.092380	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000040	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000056	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000990	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.086124	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000103	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000008	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002028	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000068	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000486	µg/m <sup>3</sup>	V0
Iron	0.001585	0.163813	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000052	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000207	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000116	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.026322	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002191	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000093	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000046	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000479	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000051	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.019973	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.032991	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000127	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000008	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.305162	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.044642	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000357	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000174	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000017	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000021	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.004552	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000059	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000349	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Janvier	Loc ID:	JANV
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00
		Set Index:	1
		WBEA ID:	210401829
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.7	°C	
Pressure		719.1	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	5.602	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.275140	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000047	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000082	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002401	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.133574	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000278	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000021	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001701	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000105	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000318	µg/m <sup>3</sup>	V0
Iron	0.001585	0.156390	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000135	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000341	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000317	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.047413	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002701	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000135	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000126	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000505	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000071	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.019980	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.076626	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000030	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000342	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000023	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000204	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.652404	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.074834	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000777	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000181	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000049	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000040	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.010134	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000079	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000012	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000615	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 210401884
Start Date:	2021-04-27 14:25	End Date:	2021-04-27 14:26	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000007	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000203	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000027	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000089	µg/m <sup>3</sup>	V0
Iron	0.001585	0.002876	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000019	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001550	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000098	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000032	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000065	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000063	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.017437	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000019	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000249	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000010	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000768	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000078	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000018	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401832
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.6	°C	
Pressure		716.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.179288	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000037	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000095	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001990	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000021	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.221929	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000219	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000018	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000760	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000087	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000279	µg/m <sup>3</sup>	V0
Iron	0.001585	0.201071	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000114	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000234	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000266	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.066076	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003860	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000054	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000097	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000347	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000160	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000058	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.018991	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.056715	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000024	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000272	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000018	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.824553	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000033	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.092126	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000801	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000584	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000039	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000028	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.007818	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000152	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000011	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000414	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.008849	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210401841
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.5	°C	
Pressure		737.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.184161	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000237	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000115	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003369	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000027	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.316008	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000261	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000017	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001423	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000118	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000776	µg/m <sup>3</sup>	V0
Iron	0.001585	0.209617	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000129	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000322	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000232	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.074883	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003456	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000154	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000110	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000336	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000110	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018768	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.066119	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000028	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000279	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000019	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.681763	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000018	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.179597	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001094	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000328	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000041	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000136	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.008767	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000226	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000014	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000486	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000646	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401848
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.2	°C	
Pressure		728.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.183286	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000100	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000107	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002284	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.273577	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000215	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000016	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001008	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000091	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000346	µg/m <sup>3</sup>	V0
Iron	0.001585	0.176152	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000106	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000355	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000211	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.072923	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003480	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000059	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000091	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000370	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000076	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.020401	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.062647	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000022	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000264	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000017	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.578694	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.107410	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001084	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000224	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000035	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000056	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.007946	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000137	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000392	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210401855
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.0	°C	
Pressure		732.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.346752	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000032	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000106	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003010	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000020	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.143712	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000348	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000033	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000966	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000129	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000260	µg/m <sup>3</sup>	V0
Iron	0.001585	0.223249	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000166	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000274	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000496	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.062112	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004045	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000090	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000157	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000295	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000167	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000069	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.019077	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.108386	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000038	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000478	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000030	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.090460	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000022	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.105962	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001084	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000457	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000057	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000026	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.016285	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000084	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000017	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000690	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210401859
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.5	°C	
Pressure		736.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.381530	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000038	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000097	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003286	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.288766	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000361	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000035	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000775	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000127	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000346	µg/m <sup>3</sup>	V0
Iron	0.001585	0.257526	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000183	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000279	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000478	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.081239	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004496	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000060	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000171	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000341	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000089	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.017113	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.108996	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000040	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000516	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000031	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.007427	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.108492	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001330	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000211	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000064	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000022	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.016524	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001170	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000018	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000791	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00
		Set Index:	1
		WBEA ID:	210401864
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.6	°C	
Pressure		737.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	18.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.522116	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000067	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000125	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004657	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000020	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.258691	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000546	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000055	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000971	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000176	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000598	µg/m <sup>3</sup>	V0
Iron	0.001585	0.366469	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000271	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000333	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000725	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.078203	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.007266	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000097	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000243	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000427	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000159	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000051	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.021383	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.169885	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000058	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000817	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000044	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.496714	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000016	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.106623	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001535	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000336	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000086	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000037	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.026899	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000137	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000024	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001006	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401878
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.5	°C	
Pressure		709.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.131012	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000068	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000115	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001423	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000017	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.197583	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000181	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000018	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001528	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000079	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000368	µg/m <sup>3</sup>	V0
Iron	0.001585	0.204469	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000091	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000245	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000259	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.047395	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002948	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000141	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000074	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000472	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000392	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000117	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.018437	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.055214	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000021	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000216	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000015	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.370188	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000045	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.067800	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000651	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.004451	µg/m <sup>3</sup>	V4
Thallium	0.000005	0.000025	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000034	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000042	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005672	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001009	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000407	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401886
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.8	°C	
Pressure		718.4	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	7.137	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.245720	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000075	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000119	µg/m <sup>3</sup>	V0
Barium	0.000054	0.005609	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000030	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.250627	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000292	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000029	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.005986	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000110	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000408	µg/m <sup>3</sup>	V0
Iron	0.001585	0.226101	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000148	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000441	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000387	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.067176	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004174	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000270	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000128	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000552	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000428	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000108	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.022071	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000015	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.136267	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000033	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000381	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000026	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.770538	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000044	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.082411	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001830	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.004370	µg/m <sup>3</sup>	V4
Thallium	0.000005	0.000025	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000058	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000056	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.010884	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000613	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000015	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000737	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210401944
Start Date:	2021-04-30 12:40	End Date:	2021-04-30 12:41	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.012753	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000005	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000098	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.031818	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000015	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000630	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000012	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.015822	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000037	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000293	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000025	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000216	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000018	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.012690	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.006142	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000014	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.135361	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.000896	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000056	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000085	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000018	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001093	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000022	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000050	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401911
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.8	°C	
Pressure		719.3	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	4.025	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.116049	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000045	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000065	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001380	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000017	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.103991	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000155	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000959	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000048	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000830	µg/m <sup>3</sup>	V0
Iron	0.001585	0.122805	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000073	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000329	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000110	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.032890	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002783	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000051	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000069	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000335	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000056	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.014429	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.052190	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000018	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000187	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000012	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.461087	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.046392	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000537	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000182	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000033	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000022	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005933	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000095	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000008	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000272	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Conklin	Loc ID:	CONK
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00
		Set Index:	1
		WBEA ID:	210401919
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.4	°C	
Pressure		710.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	26.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.739309	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000125	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000236	µg/m <sup>3</sup>	V0
Barium	0.000054	0.009165	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000023	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000053	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000030	µg/m <sup>3</sup>	V0
Calcium	0.013042	1.063643	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001195	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000038	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001527	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000316	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001546	µg/m <sup>3</sup>	V0
Iron	0.001585	1.022826	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000574	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000861	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000644	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.353289	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.021087	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000132	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000519	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000919	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000152	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.027486	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.302299	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000137	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001150	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000084	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.780237	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.368037	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.003817	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000187	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000022	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000257	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000071	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.034913	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000684	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000059	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001707	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00
		Set Index:	1
		WBEA ID:	210401929
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.1	°C	
Pressure		737.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	17.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.453213	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000310	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000150	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006671	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000015	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000020	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.586017	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000525	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000035	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001507	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000217	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001844	µg/m <sup>3</sup>	V0
Iron	0.001585	0.524726	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000249	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000683	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000431	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.137264	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.010515	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000195	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000246	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000721	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000075	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.019048	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.162679	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000061	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000677	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000042	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.289875	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.114238	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002073	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000073	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000103	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000300	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.022087	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000482	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000028	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001554	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401935
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.7	°C	
Pressure		718.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.143851	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000035	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000076	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001607	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.317949	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000193	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002934	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000068	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000311	µg/m <sup>3</sup>	V0
Iron	0.001585	0.186575	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000091	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000292	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000147	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.055417	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003599	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000159	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000080	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000386	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000039	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.016285	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.060140	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000022	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000218	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000014	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.605221	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.036396	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000766	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000084	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000039	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000025	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.007704	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000038	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000011	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000542	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401951
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.5	°C	
Pressure		738.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	84.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	3.346374	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000086	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000565	µg/m <sup>3</sup>	V0
Barium	0.000054	0.026993	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000125	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000032	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000021	µg/m <sup>3</sup>	V0
Calcium	0.013042	2.845528	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.004174	µg/m <sup>3</sup>	V4
Cesium	0.000004	0.000269	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.006906	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.001168	µg/m <sup>3</sup>	V0
Copper	0.000027	0.002077	µg/m <sup>3</sup>	V0
Iron	0.001585	3.161343	µg/m <sup>3</sup>	V4
Lanthanum	0.000004	0.001848	µg/m <sup>3</sup>	V0
Lead	0.000018	0.002185	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.005389	µg/m <sup>3</sup>	V4
Magnesium	0.000279	0.401367	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.071030	µg/m <sup>3</sup>	V4
Molybdenum	0.000025	0.000730	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.001828	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.003628	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000677	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000145	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.039853	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.944290	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000457	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.004742	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000303	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	8.955264	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000019	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.244174	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.012246	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000177	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000064	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000775	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000231	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.208678	µg/m <sup>3</sup>	V4
Tungsten	0.000005	0.000307	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000268	µg/m <sup>3</sup>	V4
Vanadium	0.000018	0.010037	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401960
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.9	°C	
Pressure		729.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	27.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.674160	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000387	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000218	µg/m <sup>3</sup>	V0
Barium	0.000054	0.008867	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000024	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000021	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000015	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.829801	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000843	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000055	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001589	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000295	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001550	µg/m <sup>3</sup>	V0
Iron	0.001585	0.701718	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000400	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000704	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000696	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.188767	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.012497	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000298	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000388	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000801	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000132	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000052	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.025378	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.264369	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000095	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001074	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000063	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	3.338164	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.150582	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.003136	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000134	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000151	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000209	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.037682	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000477	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000050	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002497	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210501970
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.5	°C	
Pressure		733.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	29.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.277937	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000071	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000306	µg/m <sup>3</sup>	V0
Barium	0.000054	0.009517	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000048	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000020	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	1.000489	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001434	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000095	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002339	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000378	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000799	µg/m <sup>3</sup>	V0
Iron	0.001585	1.005440	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000668	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000896	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001604	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.188830	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.019791	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000598	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000625	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001446	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000263	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000072	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.024493	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.347458	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000164	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001706	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000110	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	3.351800	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.130453	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.004225	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000279	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000026	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000296	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000080	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.061542	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000276	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000082	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.005246	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210501975
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.2	°C	
Pressure		737.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	33.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.767858	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000129	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000290	µg/m <sup>3</sup>	V0
Barium	0.000054	0.011362	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000058	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000018	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000013	µg/m <sup>3</sup>	V0
Calcium	0.013042	1.230841	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001900	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000127	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002816	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000499	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000789	µg/m <sup>3</sup>	V0
Iron	0.001585	1.112816	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000878	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001496	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.002175	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.222657	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.024029	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000586	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000862	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001659	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000255	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000086	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.024805	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.426716	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000212	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.002360	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000150	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	4.156756	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000013	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.126113	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.004970	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000147	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000029	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000401	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000121	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.070694	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000150	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000100	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.005890	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210502013
Start Date:	2021-05-07 10:45	End Date:	2021-05-07 10:46	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000063	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000049	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000026	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.019391	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000014	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001704	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000022	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000225	µg/m <sup>3</sup>	V0
Iron	0.001585	0.008870	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000025	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000193	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000259	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000084	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000640	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000148	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000272	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.013235	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.013768	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000017	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.023514	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000034	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000015	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001672	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000119	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000027	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000019	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000461	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000432	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000031	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210501982
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.2	°C	
Pressure		711.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	31.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.932393	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000103	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000305	µg/m <sup>3</sup>	V0
Barium	0.000054	0.012734	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000032	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000015	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000021	µg/m <sup>3</sup>	V0
Calcium	0.013042	1.166024	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001375	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000062	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001819	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000451	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001377	µg/m <sup>3</sup>	V0
Iron	0.001585	1.154684	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000706	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001219	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000809	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.388362	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.027081	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000130	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000592	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001226	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000179	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000051	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.035697	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.373440	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000161	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001547	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000099	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000233	µg/m <sup>3</sup>	V0
Silicon	0.010200	4.215842	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.601532	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.004583	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000164	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000030	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000310	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000066	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.045201	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000751	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000080	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002491	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210501987
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.6	°C	
Pressure		719.7	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	17.967	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.451065	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000065	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000402	µg/m <sup>3</sup>	V0
Barium	0.000054	0.005540	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000016	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000014	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000013	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.429048	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000564	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000033	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001670	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000150	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001319	µg/m <sup>3</sup>	V0
Iron	0.001585	0.392698	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000301	µg/m <sup>3</sup>	V0
Lead	0.000018	0.002966	µg/m <sup>3</sup>	V4
Lithium	0.000016	0.000347	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.158365	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.010418	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000082	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000256	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000511	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000095	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.024785	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.164226	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000066	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000698	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000045	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.441801	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.097314	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001734	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000165	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000127	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000097	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.019788	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000187	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000034	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000985	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210501993
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.6	°C	
Pressure		736.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	28.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.499103	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000116	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000317	µg/m <sup>3</sup>	V0
Barium	0.000054	0.012750	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000048	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000018	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.527224	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001317	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000120	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002661	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000413	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000876	µg/m <sup>3</sup>	V0
Iron	0.001585	0.923134	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000626	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000946	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001432	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.274582	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.015103	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000169	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000669	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001270	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000200	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000053	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.035379	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.437923	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000160	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.002076	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000115	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	3.608116	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.171499	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.004594	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000126	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000027	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000318	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000080	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.056544	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000091	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000092	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.003472	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00
		Set Index:	1
		WBEA ID:	210501996
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.0	°C	
Pressure		737.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	32.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.587652	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000180	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000375	µg/m <sup>3</sup>	V0
Barium	0.000054	0.014383	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000052	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000029	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000020	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.767320	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001385	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000129	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002449	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000462	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001326	µg/m <sup>3</sup>	V0
Iron	0.001585	1.023021	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000665	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001082	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001548	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.302251	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.016877	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000191	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000682	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001184	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000464	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000141	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.034918	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.498746	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000167	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.002112	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000119	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	3.983116	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000024	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.196064	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.005047	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.005688	µg/m <sup>3</sup>	V4
Thallium	0.000005	0.000039	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000305	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000154	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.073406	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000635	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000095	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.003909	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210502011
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.6	°C	
Pressure		732.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.150766	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000035	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000062	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001588	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.198411	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000145	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000011	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001309	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000068	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000181	µg/m <sup>3</sup>	V0
Iron	0.001585	0.119902	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000072	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000318	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000137	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.061347	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003193	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000048	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000064	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000483	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000034	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.017989	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.068612	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000017	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000233	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000012	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.420431	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.035235	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000678	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000093	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000035	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000020	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.006232	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000037	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000013	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000313	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210502019
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.5	°C	
Pressure		730.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	14.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.332114	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000151	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000154	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004800	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000017	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.604789	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000420	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000025	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001985	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000141	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001213	µg/m <sup>3</sup>	V0
Iron	0.001585	0.447570	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000226	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000617	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000318	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.161304	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.010466	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000095	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000185	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000639	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000069	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.025484	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.147532	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000048	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000501	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000031	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.555725	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.086501	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002189	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000148	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000089	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000126	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.014153	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000222	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000031	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000760	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210502024
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.7	°C	
Pressure		718.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	17.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.476847	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000097	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000203	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006089	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000019	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000019	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.597645	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000600	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000038	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001147	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000169	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000554	µg/m <sup>3</sup>	V0
Iron	0.001585	0.508884	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000315	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000730	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000452	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.198511	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.014307	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000074	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000257	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000524	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000157	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.026387	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.188094	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000067	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000736	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000045	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.018165	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.101242	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001963	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000483	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000021	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000128	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000042	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.022564	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000176	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000045	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001131	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210502031
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.1	°C	
Pressure		736.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	16.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.443923	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000409	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000231	µg/m <sup>3</sup>	V0
Barium	0.000054	0.008504	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000018	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000022	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000023	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.778300	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000550	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000037	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002401	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000237	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001843	µg/m <sup>3</sup>	V0
Iron	0.001585	0.581997	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000278	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000652	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000477	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.216421	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.013327	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000197	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000255	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000859	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000090	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000170	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.029828	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.206347	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000063	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000679	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000044	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000156	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.836121	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000018	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.138990	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002370	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000122	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000043	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000109	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000316	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.020690	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000596	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000033	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001081	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 210502088
Start Date:	2021-05-14 14:00	End Date:	2021-05-14 14:01	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000008	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.020964	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000614	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000011	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000058	µg/m <sup>3</sup>	V0
Iron	0.001585	0.005070	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000029	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000019	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000117	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000043	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000178	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000021	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.015691	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.007778	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000143	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000379	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000032	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000024	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210502038
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.0	°C	
Pressure		730.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.512825	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000069	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000138	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003529	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000017	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000028	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.460441	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000483	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000042	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002069	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000155	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000536	µg/m <sup>3</sup>	V0
Iron	0.001585	0.381447	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000230	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000374	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000631	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.080481	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.007833	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000264	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000212	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000854	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000218	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000137	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.022683	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.149683	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000056	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000686	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000039	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.275812	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000028	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.043926	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001543	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002016	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000036	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000123	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000038	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.020412	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000511	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000035	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001556	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210502043
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.5	°C	
Pressure		731.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	14.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.713645	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000039	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000142	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004531	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000022	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000061	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.626684	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000654	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000051	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.005180	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000207	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000569	µg/m <sup>3</sup>	V0
Iron	0.001585	0.580955	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000300	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000388	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000845	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.113240	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.011498	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000377	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000301	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000867	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000137	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000084	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.025325	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.187092	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000076	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000904	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000052	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.522754	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.052764	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002115	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000294	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000035	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000141	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000045	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.024914	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000117	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000041	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001828	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210502060
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.6	°C	
Pressure		707.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.298660	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000035	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000100	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003651	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.360189	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000409	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000018	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001651	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000148	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000347	µg/m <sup>3</sup>	V0
Iron	0.001585	0.373574	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000192	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000330	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000305	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.130452	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.007641	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000083	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000181	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000706	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000068	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021965	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.117207	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000048	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000487	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000031	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.109948	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.128390	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001361	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000167	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000021	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000102	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000016	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.012030	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000298	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000022	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000685	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210502067
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.5	°C	
Pressure		712.6	mmHg	
Sample Volume		24.1	m <sup>3</sup>	V0
Particulate Matter	0.042	3.651	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.099513	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000030	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000058	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001144	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.081275	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000110	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001192	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000048	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000151	µg/m <sup>3</sup>	V0
Iron	0.001585	0.079317	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000051	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000184	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000144	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.024316	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001796	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000055	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000046	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000510	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000047	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.020157	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.047663	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000159	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000009	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.331651	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.017219	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000358	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000182	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000020	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000031	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000009	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.004216	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000069	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000008	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000214	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210502074
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.4	°C	
Pressure		730.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.571355	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000197	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000107	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004143	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000021	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000023	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.468307	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000551	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000043	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002021	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000186	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000388	µg/m <sup>3</sup>	V0
Iron	0.001585	0.423555	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000250	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000327	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000621	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.090594	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.008010	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000194	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000242	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001015	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000120	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000070	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.019711	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.164019	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000062	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000767	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000044	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.176048	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000014	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.047920	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001723	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000269	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000126	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000020	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.021612	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000144	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000034	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001546	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210502076
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.1	°C	
Pressure		713.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.041748	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000016	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000032	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000447	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.050650	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000053	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001614	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000033	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000055	µg/m <sup>3</sup>	V0
Iron	0.001585	0.056109	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000025	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000119	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000071	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.010200	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001194	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000082	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000026	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000404	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000033	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.016640	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.025523	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000072	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.199026	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.005873	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000207	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000151	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.002579	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000069	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000174	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210502089
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, partisol had filter temp warning.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.2	°C	
Pressure		730.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.086437	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000088	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000058	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001642	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.126703	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000095	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001319	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000078	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000607	µg/m <sup>3</sup>	V0
Iron	0.001585	0.110137	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000043	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000221	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000095	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.031133	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002537	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000088	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000041	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000407	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000032	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021687	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.055290	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000150	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.296438	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.038055	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000464	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000134	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000020	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000091	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.004087	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000168	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000244	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210502094
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.7	°C	
Pressure		724.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.162429	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000256	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000071	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003195	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000016	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.320228	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000200	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000011	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001079	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000082	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001410	µg/m <sup>3</sup>	V0
Iron	0.001585	0.256655	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000089	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000248	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000175	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.073107	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004446	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000115	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000091	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000467	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000045	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018575	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.074311	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000021	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000251	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000015	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.587674	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.055271	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000952	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000137	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000039	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000122	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.007391	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000168	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000012	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000340	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 210502152
Start Date:	2021-05-21 12:00	End Date:	2021-05-21 12:01	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000009	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.015881	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000456	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000018	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000051	µg/m <sup>3</sup>	V0
Iron	0.001585	0.011808	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000154	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000073	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000156	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000012	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.011885	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.003748	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000076	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001226	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000032	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000019	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210502100
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.9	°C	
Pressure		738.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	62.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	2.119680	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000066	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000594	µg/m <sup>3</sup>	V0
Barium	0.000054	0.020388	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000069	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000030	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000018	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.478388	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001809	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000208	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.004502	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000736	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001874	µg/m <sup>3</sup>	V0
Iron	0.001585	1.754405	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000858	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001393	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.002253	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.345686	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.022364	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000251	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000904	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.002753	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000376	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000105	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.039431	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.701526	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000221	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.002651	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000165	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	7.785435	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000018	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.342891	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.006549	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000199	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000047	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000442	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000091	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.119254	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000160	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000166	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.007241	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210502103
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

### Notes

Short sample duration and low sample volume due to power outage.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.7	°C	
Pressure		737.9	mmHg	
Sample Volume		22.7	m <sup>3</sup>	V6
Particulate Matter	0.042	25.330	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.969186	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000038	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000140	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006116	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000028	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000014	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.280949	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000942	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000061	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001513	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000281	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000382	µg/m <sup>3</sup>	V0
Iron	0.001585	0.462079	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000434	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000598	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001013	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.104426	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.009178	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000258	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000514	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000922	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000135	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000051	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.021837	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.233932	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000112	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001114	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000078	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	3.223856	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.377932	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002436	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000151	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000020	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000189	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000024	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.033212	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000102	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000058	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002553	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00
		Set Index:	1
		WBEA ID:	210502110
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.7	°C	
Pressure		739.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	30.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.006115	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000073	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000214	µg/m <sup>3</sup>	V0
Barium	0.000054	0.007185	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000035	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000024	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000013	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.499440	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000988	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000068	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001979	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000299	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000757	µg/m <sup>3</sup>	V0
Iron	0.001585	0.602687	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000445	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000646	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001056	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.134938	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.011468	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000288	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000439	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001092	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000260	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000152	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.026136	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.253699	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000115	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001199	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000081	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	3.886788	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000028	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.360016	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002789	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002152	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000043	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000208	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000048	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.036153	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000546	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000065	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002919	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210502125
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.9	°C	
Pressure		717.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	20.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.436268	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000033	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000128	µg/m <sup>3</sup>	V0
Barium	0.000054	0.005573	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.578410	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000666	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000026	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001186	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000187	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000316	µg/m <sup>3</sup>	V0
Iron	0.001585	0.467388	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000317	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000472	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000386	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.203312	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.010641	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000126	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000295	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000569	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000092	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.023644	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.173129	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000075	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000699	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000050	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.472063	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.161792	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002036	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000152	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000017	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000147	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000019	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.020080	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000286	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000033	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001022	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210502131
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.8	°C	
Pressure		723.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	16.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.547061	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000051	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000205	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006481	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000021	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.476587	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000736	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000035	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002096	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000292	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001949	µg/m <sup>3</sup>	V0
Iron	0.001585	0.633191	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000349	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000716	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000455	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.195844	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.013102	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000094	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000324	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001021	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000119	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000052	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.024377	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.196375	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000083	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000881	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000057	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.085222	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.077145	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001947	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000198	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000021	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000174	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000054	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.024422	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000832	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000043	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000930	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210502137
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.9	°C	
Pressure		739.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.340510	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000292	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000272	µg/m <sup>3</sup>	V0
Barium	0.000054	0.005958	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000014	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000020	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000015	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.556752	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000433	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000022	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001161	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000191	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001590	µg/m <sup>3</sup>	V0
Iron	0.001585	0.514552	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000206	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000675	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000307	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.153169	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.009323	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000116	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000207	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000553	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000065	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.023361	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.141931	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000050	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000525	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000031	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.134812	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.092388	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001804	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000138	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000091	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000199	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.015992	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000596	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000024	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000738	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210502143
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.9	°C	
Pressure		732.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.161321	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000138	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000126	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002912	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000019	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.272834	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000206	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000010	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002802	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000091	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000941	µg/m <sup>3</sup>	V0
Iron	0.001585	0.254613	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000099	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000367	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000156	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.071575	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.005232	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000125	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000091	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000598	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000048	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021370	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.083541	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000024	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000266	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000016	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.935114	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.040586	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000916	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000126	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000046	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000119	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.007660	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000170	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000013	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000368	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210502156
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.9	°C	
Pressure		722.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.271706	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000033	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000118	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003213	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.272156	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000351	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000018	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001260	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000092	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000215	µg/m <sup>3</sup>	V0
Iron	0.001585	0.294992	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000158	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000425	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000238	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.096488	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.006626	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000124	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000148	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000468	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000048	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.022435	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.104150	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000038	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000403	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000027	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.860348	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.046521	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001020	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000120	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000074	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000015	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.010894	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000068	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000022	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000637	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210502216
Start Date:	2021-05-26 11:20	End Date:	2021-05-26 11:21	Duration:	0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000005	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.014696	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000471	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000013	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.004078	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000034	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000034	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000185	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000015	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.013509	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.006563	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.012543	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000100	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000404	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000027	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Ells River	Loc ID:	ELSR
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00
		Set Index:	1
		WBEA ID:	210502190
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.7	°C	
Pressure		723.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.028492	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000021	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000069	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000296	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.033841	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000033	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000747	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000022	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000091	µg/m <sup>3</sup>	V0
Iron	0.001585	0.033975	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000115	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000054	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005929	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000844	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000037	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000332	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000027	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.027354	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.037989	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000055	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000202	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.194601	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.006041	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000145	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000153	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001859	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000067	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000090	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210502193
Start Date:	2021-05-28 00:00	End Date:	2021-05-28 22:40	Duration:	22.7 hr

### Notes

Low sample volume (22.7 ) and sampling duration (22:40 hours) due to power issues during NAPS day

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.4	°C	
Pressure		722.7	mmHg	
Sample Volume		22.7	m <sup>3</sup>	V6
Particulate Matter	0.042	6.476	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.029279	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000114	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000081	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000439	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000025	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000036	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000088	µg/m <sup>3</sup>	V4
Calcium	0.013042	0.031745	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000098	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000070	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.008345	µg/m <sup>3</sup>	V4
Cobalt	0.000005	0.000055	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000667	µg/m <sup>3</sup>	V0
Iron	0.001585	0.116128	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000084	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000181	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000075	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005839	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001365	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.001055	µg/m <sup>3</sup>	V4
Neodymium	0.000005	0.000063	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000521	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000201	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000157	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.032900	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000056	µg/m <sup>3</sup>	V4
Potassium	0.000402	0.045921	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000058	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000253	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000051	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.217878	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000123	µg/m <sup>3</sup>	V4
Sodium	0.000777	0.004905	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000292	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000159	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000048	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000050	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000122	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002100	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000048	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000038	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000695	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210502199
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.3	°C	
Pressure		724.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.179573	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000049	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000099	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002003	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.079172	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000213	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000013	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001783	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000062	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000250	µg/m <sup>3</sup>	V0
Iron	0.001585	0.156356	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000101	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000301	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000201	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.026517	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003257	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000130	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000087	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000418	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000084	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000067	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.027303	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.091361	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000025	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000274	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000017	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.770128	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.029605	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000543	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000256	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000045	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000025	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.010125	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000093	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000013	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000412	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210502220
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.8	°C	
Pressure		699.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.089015	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000016	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000047	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001034	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.119851	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000115	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000893	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000038	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000423	µg/m <sup>3</sup>	V0
Iron	0.001585	0.100479	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000055	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000170	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000086	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.036929	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002251	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000093	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000053	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000209	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000021	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.016517	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.047184	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000141	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000008	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.246485	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.036367	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000397	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000058	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000027	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000025	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003884	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000073	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000211	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210502226
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.5	°C	
Pressure		705.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.070219	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000019	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000062	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000898	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.075541	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000083	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000750	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000037	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000118	µg/m <sup>3</sup>	V0
Iron	0.001585	0.066115	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000040	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000122	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000082	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.018900	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001468	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000053	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000035	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000255	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000035	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021939	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.040962	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000109	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.318052	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.011898	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000268	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000162	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.003534	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000055	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000175	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210502231
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00	Duration:	24.0 hr

### Notes

Sample tray was left open during sampling period.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.2	°C	
Pressure		704.8	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Aluminum	0.002800	-9999	µg/m <sup>3</sup>	M2
Antimony	0.000016	-9999	µg/m <sup>3</sup>	M2
Arsenic	0.000005	-9999	µg/m <sup>3</sup>	M2
Barium	0.000054	-9999	µg/m <sup>3</sup>	M2
Beryllium	0.000013	-9999	µg/m <sup>3</sup>	M2
Bismuth	0.000004	-9999	µg/m <sup>3</sup>	M2
Cadmium	0.000011	-9999	µg/m <sup>3</sup>	M2
Calcium	0.013042	-9999	µg/m <sup>3</sup>	M2
Cerium	0.000013	-9999	µg/m <sup>3</sup>	M2
Cesium	0.000004	-9999	µg/m <sup>3</sup>	M2
Chromium	0.000045	-9999	µg/m <sup>3</sup>	M2
Cobalt	0.000005	-9999	µg/m <sup>3</sup>	M2
Copper	0.000027	-9999	µg/m <sup>3</sup>	M2
Iron	0.001585	-9999	µg/m <sup>3</sup>	M2
Lanthanum	0.000004	-9999	µg/m <sup>3</sup>	M2
Lead	0.000018	-9999	µg/m <sup>3</sup>	M2
Lithium	0.000016	-9999	µg/m <sup>3</sup>	M2
Magnesium	0.000279	-9999	µg/m <sup>3</sup>	M2
Manganese	0.000028	-9999	µg/m <sup>3</sup>	M2
Molybdenum	0.000025	-9999	µg/m <sup>3</sup>	M2
Neodymium	0.000005	-9999	µg/m <sup>3</sup>	M2
Nickel	0.000015	-9999	µg/m <sup>3</sup>	M2
Niobium	0.000006	-9999	µg/m <sup>3</sup>	M2
Palladium	0.000050	-9999	µg/m <sup>3</sup>	M2
Phosphorus	0.003480	-9999	µg/m <sup>3</sup>	M2
Platinum	0.000004	-9999	µg/m <sup>3</sup>	M2
Potassium	0.000402	-9999	µg/m <sup>3</sup>	M2
Praseodymium	0.000002	-9999	µg/m <sup>3</sup>	M2
Rubidium	0.000003	-9999	µg/m <sup>3</sup>	M2
Samarium	0.000006	-9999	µg/m <sup>3</sup>	M2
Selenium	0.000133	-9999	µg/m <sup>3</sup>	M2
Silicon	0.010200	-9999	µg/m <sup>3</sup>	M2
Silver	0.000006	-9999	µg/m <sup>3</sup>	M2
Sodium	0.000777	-9999	µg/m <sup>3</sup>	M2
Strontium	0.000012	-9999	µg/m <sup>3</sup>	M2
Tantalum	0.000003	-9999	µg/m <sup>3</sup>	M2
Thallium	0.000005	-9999	µg/m <sup>3</sup>	M2
Thorium	0.000002	-9999	µg/m <sup>3</sup>	M2
Tin	0.000008	-9999	µg/m <sup>3</sup>	M2
Titanium	0.000031	-9999	µg/m <sup>3</sup>	M2
Tungsten	0.000005	-9999	µg/m <sup>3</sup>	M2
Uranium	0.000003	-9999	µg/m <sup>3</sup>	M2
Vanadium	0.000018	-9999	µg/m <sup>3</sup>	M2
Zinc	0.000149	-9999	µg/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210502237
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00	Duration:	24.0 hr

### Notes

Upon collection of sample, partisol had filter temp, temp diff, and sample period status codes. Valid sampling time = 00:02, Total sampling time = 24:00.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.1	°C	
Pressure		727.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.025543	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000097	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000106	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000696	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000030	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000013	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.057571	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000039	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000016	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001986	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000034	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000359	µg/m <sup>3</sup>	V0
Iron	0.001585	0.045926	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000022	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000121	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000219	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.008321	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001090	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000155	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000022	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000319	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000136	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000228	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.026492	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.064874	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000071	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000011	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000162	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.170360	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000032	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.016034	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000205	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002133	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000129	µg/m <sup>3</sup>	V4
Thorium	0.000002	0.000044	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000089	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001936	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000508	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000013	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000195	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Patricia McInnes	Loc ID:	PATM
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00
		Set Index:	1
		WBEA ID:	210502244
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.7	°C	
Pressure		716.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.018012	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000051	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000055	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001224	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.038006	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000051	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000712	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000032	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001670	µg/m <sup>3</sup>	V0
Iron	0.001585	0.030011	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000023	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000111	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000045	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.004232	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000779	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000075	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000017	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000371	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000029	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021317	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.037985	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000053	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000164	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.154652	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000024	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.007026	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000143	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000142	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000023	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001482	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000051	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000112	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602321
Start Date:	2021-06-02 14:00	End Date:	2021-06-02 14:01	Duration:	0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000047	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000026	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000015	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.014582	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000563	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000010	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.004375	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000067	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000054	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000321	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000318	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000077	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.005919	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.032736	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000020	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.007228	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000020	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000573	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000634	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210602267
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, partisol had filter temp, temp diff, and sample period status code. Total sampling time = 24:00, Valid sampling time = 00:21.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.1	°C	
Pressure		724.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	30.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.744068	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000519	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000265	µg/m <sup>3</sup>	V0
Barium	0.000054	0.014829	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000027	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000042	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	1.130254	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000980	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000059	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002193	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000472	µg/m <sup>3</sup>	V0
Copper	0.000027	0.002805	µg/m <sup>3</sup>	V0
Iron	0.001585	0.930414	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000467	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000869	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000642	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.281764	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.017575	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000236	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000432	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001048	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000123	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000065	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.033052	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.291279	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000114	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001201	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000082	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.437415	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.180568	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.003670	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000138	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000021	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000198	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000368	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.030921	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001558	µg/m <sup>3</sup>	V4
Uranium	0.000003	0.000054	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001732	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602272
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.4	°C	
Pressure		707.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	22.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.514554	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000072	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000189	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006490	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000014	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.590279	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000703	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000038	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001004	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000182	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000381	µg/m <sup>3</sup>	V0
Iron	0.001585	0.554014	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000331	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000483	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000462	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.171065	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.012544	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000065	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000300	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000551	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000087	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.020700	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.204953	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000080	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000821	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000060	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.724858	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.100725	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002141	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000126	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000148	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.020112	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000181	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000040	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001216	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210602282
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.0	°C	
Pressure		723.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	21.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.711649	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000031	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000186	µg/m <sup>3</sup>	V0
Barium	0.000054	0.005426	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000026	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.188570	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000661	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000063	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001808	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000202	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000659	µg/m <sup>3</sup>	V0
Iron	0.001585	0.392451	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000301	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000563	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000947	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.047711	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.009427	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000091	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000293	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000736	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000157	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000073	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.021058	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.230848	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000078	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000949	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000056	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.138496	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000023	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.154753	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001688	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000280	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000152	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.029031	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000144	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000048	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001328	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602290
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.6	°C	
Pressure		724.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	51.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	2.772833	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000089	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000513	µg/m <sup>3</sup>	V0
Barium	0.000054	0.022188	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000076	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000030	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000013	µg/m <sup>3</sup>	V0
Calcium	0.013042	1.130289	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.002493	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000238	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.003242	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000691	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001355	µg/m <sup>3</sup>	V0
Iron	0.001585	1.357386	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.001153	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001313	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.002823	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.375967	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.025548	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000225	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.001142	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001780	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000305	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000064	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.035731	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.776747	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000290	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.003822	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000227	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.885113	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.352572	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.007395	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000063	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000042	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000556	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000076	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.091774	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000177	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000148	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.005341	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210602297
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.1	°C	
Pressure		723.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	51.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	2.209404	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000083	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000652	µg/m <sup>3</sup>	V0
Barium	0.000054	0.021211	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000070	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000027	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.648982	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.002004	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000241	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.003625	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000718	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001737	µg/m <sup>3</sup>	V0
Iron	0.001585	1.392103	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000940	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001362	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.002279	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.342923	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.022727	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000216	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000955	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.002065	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000352	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000108	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.038564	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.750267	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000240	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.003543	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000188	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	5.419495	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000024	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.265978	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.006992	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000192	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000047	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000492	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000040	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.103022	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000163	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000168	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.006119	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602307
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.9	°C	
Pressure		718.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	19.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.348739	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000202	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000485	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006378	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000019	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.497734	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000476	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000027	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001158	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000148	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001039	µg/m <sup>3</sup>	V0
Iron	0.001585	0.435996	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000227	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000477	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000299	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.121063	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.008786	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000101	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000198	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000428	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000065	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.025377	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.180795	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000052	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000612	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000038	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.137200	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.063827	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001822	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000098	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000105	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000100	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.015215	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000192	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000026	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000818	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602311
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.2	°C	
Pressure		703.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.102774	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000089	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000104	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002286	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.169751	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000200	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000010	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000603	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000061	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000456	µg/m <sup>3</sup>	V0
Iron	0.001585	0.154648	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000092	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000276	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000115	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.032644	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003432	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000071	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000081	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000299	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000065	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.019154	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.091189	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000023	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000283	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000015	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.599918	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.031952	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000705	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000170	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000068	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.006594	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000093	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000012	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000310	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602327
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.5	°C	
Pressure		709.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.066121	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000039	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000091	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001747	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000011	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.099511	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000146	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000012	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000881	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000047	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000122	µg/m <sup>3</sup>	V0
Iron	0.001585	0.094606	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000073	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000275	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000097	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.008246	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002207	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000063	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000066	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000371	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000114	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018505	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.071275	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000018	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000227	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000012	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.528422	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.018938	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000498	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000399	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000041	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.006178	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000102	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000009	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000269	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210602363
Start Date:	2021-06-07 14:55	End Date:	2021-06-07 14:56	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000069	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000082	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000043	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.016286	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000010	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000603	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000018	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.006998	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000183	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000185	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000073	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000235	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000155	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000256	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.005346	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000015	µg/m <sup>3</sup>	V0
Potassium	0.000402	1.362312	µg/m <sup>3</sup>	V4
Praseodymium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000028	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.023511	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000057	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.001950	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000120	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000029	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000558	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000471	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000009	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000029	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210602333
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

### Notes

Small fly found on filter upon collection of the sample.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.7	°C	
Pressure		740.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.103327	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000315	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000094	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004277	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000018	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.331531	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000222	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001468	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000101	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001407	µg/m <sup>3</sup>	V0
Iron	0.001585	0.270156	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000103	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000238	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000125	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.054780	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.006594	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000112	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000090	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000642	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000046	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.029455	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.098639	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000024	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000246	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000017	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.499758	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.064406	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000922	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000122	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000047	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000160	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.007760	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000257	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000009	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000369	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Anzac	Loc ID:	ANZC
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00
		Set Index:	1
		WBEA ID:	210602339
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.4	°C	
Pressure		719.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000027	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000043	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000709	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.103199	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000058	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001097	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000023	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000076	µg/m <sup>3</sup>	V0
Iron	0.001585	0.063036	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000025	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000076	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000020	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.001594	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000100	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000323	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000052	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.017674	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.045004	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000061	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.227628	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.007190	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000230	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000195	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.002697	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000055	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000108	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602345
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.0	°C	
Pressure		730.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	14.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.253034	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000479	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000120	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006564	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000039	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.501876	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000401	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000022	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.005265	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000149	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001656	µg/m <sup>3</sup>	V0
Iron	0.001585	0.359193	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000188	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000355	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000255	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.094238	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.006708	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000339	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000180	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000491	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000076	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.030162	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.145639	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000046	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000484	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000032	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.999120	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.079097	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001534	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000156	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000079	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000201	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.014348	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000248	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000020	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000883	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Ells River	Loc ID:	ELSR
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00
		Set Index:	1
		WBEA ID:	210602351
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.5	°C	
Pressure		736.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.316562	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000030	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000084	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002917	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000011	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.364128	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000352	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000026	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000724	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000118	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000125	µg/m <sup>3</sup>	V0
Iron	0.001585	0.224074	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000171	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000221	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000377	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.034766	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004599	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000090	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000164	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000432	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000071	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.020868	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.118426	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000043	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000484	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000031	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.307200	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.035919	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001234	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000141	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000078	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.013603	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000079	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000020	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000727	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210602356
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.9	°C	
Pressure		739.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	26.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.783903	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000044	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000157	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006086	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000026	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.898478	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000781	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000063	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001847	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000242	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000612	µg/m <sup>3</sup>	V0
Iron	0.001585	0.527702	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000369	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000413	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000757	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.117398	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.010769	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000186	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000338	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000918	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000095	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.028458	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.261138	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000090	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001124	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000067	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.982577	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.077335	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002762	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000136	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000017	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000162	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.025529	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000105	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000043	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001496	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602370
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.7	°C	
Pressure		738.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	24.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.976176	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000069	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000217	µg/m <sup>3</sup>	V0
Barium	0.000054	0.007879	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000032	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000020	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.909823	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001036	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000079	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001659	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000298	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000936	µg/m <sup>3</sup>	V0
Iron	0.001585	0.679014	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000487	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000506	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001095	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.144986	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.014052	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000215	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000451	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000860	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000174	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000126	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.026394	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.282838	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000121	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001280	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000092	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.206031	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000034	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.084204	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.003237	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000313	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000047	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000235	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000009	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.030941	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000198	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000056	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001781	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602379
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.0	°C	
Pressure		720.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000048	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000102	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000635	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.051326	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000056	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000484	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000022	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.036106	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000027	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000148	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.001160	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000044	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000022	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000140	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000027	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.019560	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.035272	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000061	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.259598	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.007291	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000200	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000093	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000017	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.002108	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000035	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000068	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602389
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.8	°C	
Pressure		713.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000027	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000046	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000725	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.066824	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000057	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000731	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000021	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000255	µg/m <sup>3</sup>	V0
Iron	0.001585	0.043620	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000027	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000091	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.001223	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000074	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000024	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000171	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000021	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018264	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.040374	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000065	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.148126	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.011256	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000186	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000080	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.002205	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000037	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000105	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PM10 Metal**      Samp Use: **Field Procedure Blank**      Set Index: **1**  
Location: **Patricia McInnes**      Loc ID: **PATM**      WBEA ID: **210602424**  
Start Date: **2021-06-11 14:30**      End Date: **2021-06-11 14:31**      Duration: **0.0 hr**

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000006	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000227	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000006	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000183	µg/m <sup>3</sup>	V0
Iron	0.001585	0.009203	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000039	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000072	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000126	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000027	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.006885	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000134	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000377	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000060	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602396
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.1	°C	
Pressure		706.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.026842	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000060	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000106	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002048	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.160536	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000119	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000008	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000723	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000045	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000052	µg/m <sup>3</sup>	V0
Iron	0.001585	0.099204	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000067	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000221	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000139	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.019784	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003581	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000044	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000057	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000231	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000053	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000130	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.023024	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.090773	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000192	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000011	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000325	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.333910	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000028	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.024192	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000491	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000136	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000027	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.005123	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000077	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000009	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000210	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602403
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.2	°C	
Pressure		712.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.060198	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000042	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000105	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002047	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.161558	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000126	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000722	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000043	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000118	µg/m <sup>3</sup>	V0
Iron	0.001585	0.087541	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000073	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000262	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000067	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.034617	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003405	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000056	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000058	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000337	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000039	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.038298	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.110996	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000220	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000010	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000309	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.390593	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.022824	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000513	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000100	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000028	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000078	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005880	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000041	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000008	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000244	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210602412
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.2	°C	
Pressure		731.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	18.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.194954	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000259	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000169	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006042	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000049	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.482570	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000343	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000019	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001137	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000123	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001472	µg/m <sup>3</sup>	V0
Iron	0.001585	0.331334	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000170	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000524	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000234	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.101329	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.007637	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000154	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000153	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000489	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000076	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000054	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.032573	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.154346	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000039	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000439	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000028	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000321	µg/m <sup>3</sup>	V0
Silicon	0.010200	1.044081	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000017	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.088703	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001405	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000162	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000062	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000145	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.013397	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000454	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000019	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000590	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602420
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.3	°C	
Pressure		711.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	14.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.121240	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000042	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000113	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002769	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000016	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.273188	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000216	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000858	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000061	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000186	µg/m <sup>3</sup>	V0
Iron	0.001585	0.166509	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000119	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000311	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000170	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.064940	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004907	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000065	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000101	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000346	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000056	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000086	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.030336	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.112417	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000026	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000273	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000018	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000233	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.571822	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000015	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.033714	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000765	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000131	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000017	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000050	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.007317	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000068	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000014	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000359	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602428
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.9	°C	
Pressure		722.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	18.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.136511	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000235	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000140	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004600	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000052	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.410802	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000279	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000011	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001103	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000096	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001284	µg/m <sup>3</sup>	V0
Iron	0.001585	0.274261	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000140	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000361	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000171	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.081327	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.006404	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000174	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000119	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000426	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000054	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021637	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.107202	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000031	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000290	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000021	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000151	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.991580	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.050353	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001202	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000132	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000059	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000121	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.010027	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000193	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000015	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000438	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210602441
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

Raining during sample collection.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.5	°C	
Pressure		730.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	32.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.864130	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000100	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000332	µg/m <sup>3</sup>	V0
Barium	0.000054	0.009431	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000031	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000022	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.964783	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000949	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000086	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001684	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000291	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000843	µg/m <sup>3</sup>	V0
Iron	0.001585	0.718121	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000459	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000712	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000940	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.164713	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.014602	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000226	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000443	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001412	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000150	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000055	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.038052	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.335801	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000111	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001427	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000082	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000152	µg/m <sup>3</sup>	V0
Silicon	0.010200	2.732627	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.101261	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.003561	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000208	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000206	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.034881	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000173	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000065	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002965	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210602443
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

Raining during sample deployment.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.8	°C	
Pressure		727.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	37.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.109877	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000054	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000357	µg/m <sup>3</sup>	V0
Barium	0.000054	0.011227	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000039	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000018	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.589315	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001127	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000114	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002329	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000375	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001247	µg/m <sup>3</sup>	V0
Iron	0.001585	0.824532	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000537	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000814	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001308	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.175317	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.015931	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000192	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000519	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001437	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000188	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000050	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.042508	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.415195	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000130	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001777	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000098	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000193	µg/m <sup>3</sup>	V0
Silicon	0.010200	2.678324	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.130585	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.003680	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000132	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000026	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000261	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000011	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.052125	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000116	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000081	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.003279	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602448
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

Raining during sample collection.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.2	°C	
Pressure		728.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	35.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.137446	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000092	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000323	µg/m <sup>3</sup>	V0
Barium	0.000054	0.010252	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000033	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000026	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	1.402591	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001276	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000094	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001743	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000368	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001127	µg/m <sup>3</sup>	V0
Iron	0.001585	0.781514	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000591	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000821	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001248	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.195494	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.017039	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000221	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000561	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001330	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000177	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000051	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.043042	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.376149	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000145	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001683	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000106	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000216	µg/m <sup>3</sup>	V0
Silicon	0.010200	2.624931	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.109751	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.004483	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000133	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000025	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000275	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000040	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.045738	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000125	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000080	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.003397	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 210602536
Start Date:	2021-06-17 10:05	End Date:	2021-06-17 10:06	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000008	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001996	µg/m <sup>3</sup>	V4
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.023075	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000643	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000007	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.010196	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000065	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000034	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000147	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000020	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.004266	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.033594	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000116	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000683	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000035	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602458
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.0	°C	
Pressure		706.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	25.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.719639	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000120	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000235	µg/m <sup>3</sup>	V0
Barium	0.000054	0.009567	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000031	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000034	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000016	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.917973	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001062	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000059	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001312	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000271	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000741	µg/m <sup>3</sup>	V0
Iron	0.001585	0.836910	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000513	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000522	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000747	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.322437	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.017727	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000124	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000475	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000985	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000241	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000270	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.044988	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000015	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.267321	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000127	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001205	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000084	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000167	µg/m <sup>3</sup>	V0
Silicon	0.010200	2.349025	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000064	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.228778	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.003233	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001674	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000119	µg/m <sup>3</sup>	V4
Thorium	0.000002	0.000241	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000036	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.028861	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000891	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000053	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002607	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602465
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.6	°C	
Pressure		712.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.268324	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000094	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000098	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003668	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000028	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.212411	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000334	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000028	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001193	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000173	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000884	µg/m <sup>3</sup>	V0
Iron	0.001585	0.194839	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000161	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000205	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000346	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.075837	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.005109	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000077	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000160	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000950	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000096	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000107	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.037299	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.106426	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000042	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000413	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000031	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.214524	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000027	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.045891	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000928	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000304	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000050	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000077	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000035	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.011268	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000224	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000028	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000836	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602504
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

### Notes

Small fibers found on filter upon collection of the sample. Likely poplar fluff.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.7	°C	
Pressure		722.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	14.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.338734	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000424	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000237	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006310	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000020	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000016	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.465199	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000378	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000025	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001284	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000124	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001703	µg/m <sup>3</sup>	V0
Iron	0.001585	0.365920	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000186	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000664	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000353	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.119216	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.006732	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000169	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000169	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000529	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000063	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.033512	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.131686	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000041	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000475	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000029	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.891322	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.059064	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001517	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000162	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000070	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000262	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.013198	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000239	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000019	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001173	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002835	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602516
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

### Notes

Raining during sample deployment.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.0	°C	
Pressure		729.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	59.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	3.167495	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000155	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000613	µg/m <sup>3</sup>	V0
Barium	0.000054	0.027410	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000090	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000026	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000025	µg/m <sup>3</sup>	V0
Calcium	0.013042	2.284091	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.002989	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000280	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.004430	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000804	µg/m <sup>3</sup>	V0
Copper	0.000027	0.004239	µg/m <sup>3</sup>	V0
Iron	0.001585	2.361183	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.001426	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001406	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.003035	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.586702	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.030455	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000485	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.001451	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.002705	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000369	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000118	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.055399	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.813367	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000357	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.004284	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000262	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000345	µg/m <sup>3</sup>	V0
Silicon	0.010200	5.207021	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000017	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.334236	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.010810	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000210	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000046	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000603	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000128	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.112922	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000253	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000161	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.013704	µg/m <sup>3</sup>	V4
Zinc	0.000149	0.004390	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210602522
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

### Notes

Raining during sample deployment.  
Small fly found on filter upon collection of the sample.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.0	°C	
Pressure		728.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	35.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.896527	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000059	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000286	µg/m <sup>3</sup>	V0
Barium	0.000054	0.009023	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000031	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.362884	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000822	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000108	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002212	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000327	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001060	µg/m <sup>3</sup>	V0
Iron	0.001585	0.756484	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000397	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000547	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001030	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.131822	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.012890	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000099	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000398	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001207	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000144	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.027910	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.348266	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000100	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001532	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000077	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	3.873916	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.121043	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002915	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000175	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000022	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000193	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.038913	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000156	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000064	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002452	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210602525
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

### Notes

Raining during sample deployment.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.2	°C	
Pressure		730.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	49.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.717149	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000386	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000503	µg/m <sup>3</sup>	V0
Barium	0.000054	0.017221	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000045	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000018	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.827251	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001687	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000177	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.003121	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000531	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001195	µg/m <sup>3</sup>	V0
Iron	0.001585	1.182300	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000798	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000989	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001660	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.283602	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.018652	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000408	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000796	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.002008	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000226	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.035370	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.530368	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000204	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.002592	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000158	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	5.395221	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.218256	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.005650	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000165	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000032	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000392	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000041	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.065627	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000225	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000116	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.005735	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602531
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.3	°C	
Pressure		711.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000070	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000107	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000833	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000029	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000018	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.090738	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000078	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000015	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000779	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000035	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000064	µg/m <sup>3</sup>	V0
Iron	0.001585	0.064303	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000043	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000095	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000098	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.001541	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000084	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000041	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000296	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000190	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000155	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.016870	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.037625	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000018	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000101	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000016	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.401753	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000049	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.008946	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000329	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002175	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000039	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000037	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.002666	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000560	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000013	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000172	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210602540
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.3	°C	
Pressure		731.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	17.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.363895	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000667	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000104	µg/m <sup>3</sup>	V0
Barium	0.000054	0.007525	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000016	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000020	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.481397	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000432	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000026	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000918	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000145	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001761	µg/m <sup>3</sup>	V0
Iron	0.001585	0.419992	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000218	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000441	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000372	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.128020	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.006976	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000135	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000198	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000416	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000067	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000058	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.032981	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.122375	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000049	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000475	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000034	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.413348	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.063950	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001562	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000214	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000081	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000283	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.014476	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000323	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000020	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001451	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.007501	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 210602589
Start Date:	2021-06-24 12:10	End Date:	2021-06-24 12:11	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000012	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000087	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.027606	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000422	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000006	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000229	µg/m <sup>3</sup>	V0
Iron	0.001585	-8888	µg/m <sup>3</sup>	V1
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000071	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	-8888	µg/m <sup>3</sup>	V1
Molybdenum	0.000025	0.000026	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000110	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000035	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.015552	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.095365	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000115	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000277	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000562	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000048	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000035	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Ells River	Loc ID:	ELSR
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00
		Set Index:	1
		WBEA ID:	210602546
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		24.1	°C	
Pressure		737.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	22.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.622893	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000025	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000168	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006245	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000020	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.292422	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000586	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000061	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001266	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000201	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000351	µg/m <sup>3</sup>	V0
Iron	0.001585	0.424644	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000276	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000337	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000696	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.096710	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.007120	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000149	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000288	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000805	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000095	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.016684	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.214808	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000074	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000921	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000057	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.359663	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.079762	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002058	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000075	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000132	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.026823	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000072	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000037	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001527	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210602549
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.4	°C	
Pressure		740.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	27.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.823982	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000033	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000241	µg/m <sup>3</sup>	V0
Barium	0.000054	0.008260	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000028	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000020	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.469744	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000779	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000085	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001794	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000270	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000474	µg/m <sup>3</sup>	V0
Iron	0.001585	0.537326	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000354	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000477	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000922	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.128608	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.009923	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000222	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000362	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000807	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000114	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.024541	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.292678	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000093	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001248	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000071	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.644230	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.101381	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002748	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000086	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000017	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000171	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.037150	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000231	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000051	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001985	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602553
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		24.0	°C	
Pressure		738.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	36.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.572000	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000073	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000289	µg/m <sup>3</sup>	V0
Barium	0.000054	0.013386	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000046	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.946425	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001704	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000130	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002533	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000414	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000923	µg/m <sup>3</sup>	V0
Iron	0.001585	1.168774	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000806	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000625	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001710	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.262703	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.018519	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000180	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000782	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001241	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000216	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000075	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.033056	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.400916	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000197	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001994	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000140	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	3.637661	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.140212	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.004953	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000218	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000027	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000312	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000059	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.059380	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000107	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000082	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.005604	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000156	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602566
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.6	°C	
Pressure		722.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.355966	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000099	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000106	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004028	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000015	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.240411	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000389	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000029	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001644	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000114	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000340	µg/m <sup>3</sup>	V0
Iron	0.001585	0.224276	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000190	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000217	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000396	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.091577	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004845	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000119	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000187	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000374	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000081	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000064	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.029713	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.124271	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000044	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000545	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000031	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.031933	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.037004	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001077	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000237	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000089	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000016	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.014434	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000102	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000019	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001153	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602574
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.9	°C	
Pressure		715.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	44.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.551010	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000093	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000342	µg/m <sup>3</sup>	V0
Barium	0.000054	0.017809	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000047	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000015	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	1.800055	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.002300	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000093	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002522	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000534	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000972	µg/m <sup>3</sup>	V0
Iron	0.001585	1.937011	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.001112	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000923	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001337	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.666756	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.035899	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000199	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.001012	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001686	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000247	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000087	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.052318	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.504654	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000261	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.002380	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000175	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	4.012665	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.425815	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.006857	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000307	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000034	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000463	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000071	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.059509	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000784	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000092	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.005361	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001309	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210602583
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.8	°C	
Pressure		741.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	29.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.235251	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000345	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000257	µg/m <sup>3</sup>	V0
Barium	0.000054	0.012982	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000041	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000022	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000015	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.704333	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001165	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000100	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002039	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000326	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001786	µg/m <sup>3</sup>	V0
Iron	0.001585	0.896496	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000556	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000623	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001275	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.241560	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.013547	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000275	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000564	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001104	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000174	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000089	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.039099	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.360766	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000137	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001616	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000105	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000166	µg/m <sup>3</sup>	V0
Silicon	0.010200	2.449108	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000011	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.131355	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.003784	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000326	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000028	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000226	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000236	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.043662	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000275	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000057	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.004298	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.007912	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602592
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.4	°C	
Pressure		721.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	22.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.608043	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000101	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000138	µg/m <sup>3</sup>	V0
Barium	0.000054	0.005148	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000021	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.406733	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000602	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000046	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002265	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000161	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000571	µg/m <sup>3</sup>	V0
Iron	0.001585	0.454093	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000288	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000297	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000655	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.115435	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.007046	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000155	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000282	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000667	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000122	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000088	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.027796	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.179950	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000070	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000789	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000051	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.602781	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000018	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.056041	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001878	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000401	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000109	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000036	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.020563	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000073	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000030	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002147	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001543	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602601
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.5	°C	
Pressure		732.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	33.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.597674	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000484	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000311	µg/m <sup>3</sup>	V0
Barium	0.000054	0.016380	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000047	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000037	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000015	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.664589	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001496	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000135	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002628	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000427	µg/m <sup>3</sup>	V0
Copper	0.000027	0.002749	µg/m <sup>3</sup>	V0
Iron	0.001585	1.083919	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000731	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000693	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001661	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.293680	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.015426	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000292	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000725	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001422	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000218	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000094	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.038403	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.435887	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000178	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.002157	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000132	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000221	µg/m <sup>3</sup>	V0
Silicon	0.010200	3.244785	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.171924	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.004912	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000253	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000029	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000299	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000237	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.061090	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000243	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000082	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.006005	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004713	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 210602629
Start Date:	2021-06-30 14:15	End Date:	2021-06-30 14:16	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000064	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000057	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000090	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000016	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000037	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000475	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000012	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000030	µg/m <sup>3</sup>	V0
Iron	0.001585	0.003747	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000034	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000095	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000147	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000064	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000140	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000393	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000078	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.019521	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000040	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.002965	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.085168	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.003887	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000040	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000043	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000016	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000867	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000818	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000023	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000042	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602617
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.4	°C	
Pressure		713.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.051882	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000035	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000532	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.041125	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000068	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000785	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000024	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000047	µg/m <sup>3</sup>	V0
Iron	0.001585	0.044451	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000033	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000095	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000068	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.013358	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001137	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000046	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000035	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000232	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000078	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.034703	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000029	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.030286	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000084	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.350795	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.004565	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000152	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000519	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000019	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000048	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002032	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000074	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000212	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210602623
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.3	°C	
Pressure		731.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.051912	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000016	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000056	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000377	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.030528	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000043	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000960	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000022	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001293	µg/m <sup>3</sup>	V0
Iron	0.001585	0.036260	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000020	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000166	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000112	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.008232	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001207	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000056	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000022	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000279	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000076	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018847	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.030223	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000082	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.310159	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.002956	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000148	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000332	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000032	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002374	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000072	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000232	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210602626
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.2	°C	
Pressure		728.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.099596	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000062	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000642	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.038691	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000075	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000007	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000814	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000039	µg/m <sup>3</sup>	V0
Copper	0.000027	0.003381	µg/m <sup>3</sup>	V0
Iron	0.001585	0.055780	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000034	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000323	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000168	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.013322	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001193	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000061	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000037	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000422	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000047	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.013922	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.036512	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000121	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.306746	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.007432	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000261	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000163	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000023	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000027	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005397	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000052	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000373	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602633
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.5	°C	
Pressure		708.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.063238	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000017	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000035	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000620	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.059206	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000072	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001342	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000029	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000073	µg/m <sup>3</sup>	V0
Iron	0.001585	0.088196	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000035	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000086	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000081	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.016870	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001765	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000104	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000033	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000258	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000079	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.028524	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.031477	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000100	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.356967	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.009299	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000228	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000492	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000024	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.002942	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000100	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000316	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602647
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.0	°C	
Pressure		729.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.138823	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000016	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000076	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000926	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.065155	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000116	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000010	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000852	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000054	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000071	µg/m <sup>3</sup>	V0
Iron	0.001585	0.081568	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000054	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000236	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000217	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.021358	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001845	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000059	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000056	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000356	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000090	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.030038	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000022	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.057683	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000190	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000010	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.539078	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.014179	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000369	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000467	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000035	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000019	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005474	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000093	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000462	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702670
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

### Notes

Short sampling duration and low sample volume due to power outage at site.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.7	°C	
Pressure		712.6	mmHg	
Sample Volume		23.9	m <sup>3</sup>	V6
Particulate Matter	0.042	7.113	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.022709	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000018	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000034	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000254	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.037372	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000023	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000519	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000012	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.024816	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000046	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000073	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.008710	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000691	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000037	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000183	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000076	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.025388	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000025	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.027019	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000050	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.231757	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.002861	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000102	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000513	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000011	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001143	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000073	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000105	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210702675
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.0	°C	
Pressure		732.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.059163	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000080	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000047	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001017	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.091601	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000060	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000831	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000031	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000397	µg/m <sup>3</sup>	V0
Iron	0.001585	0.077037	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000029	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000126	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000087	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.022984	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001590	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000079	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000027	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000187	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000093	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.033846	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000023	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.044742	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000089	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.329006	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.014890	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000273	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000430	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000018	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000104	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002980	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000118	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000280	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210702681
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

### Notes

Short sample duration due to power failure.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.7	°C	
Pressure		723.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.057294	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000020	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000037	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000597	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.079802	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000052	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000776	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000026	µg/m <sup>3</sup>	V0
Copper	0.000027	0.203851	µg/m <sup>3</sup>	V4
Iron	0.001585	0.051551	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000118	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000067	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.018783	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001171	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000044	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000024	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000316	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000103	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.033323	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000038	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.040048	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000079	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.355555	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.006235	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000266	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000439	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000028	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002870	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000064	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000208	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.080629	µg/m <sup>3</sup>	V4



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 210702711
Start Date:	2021-07-07 10:40	End Date:	2021-07-07 10:41	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.015429	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000506	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000007	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.009002	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000017	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000190	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000160	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000039	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.014256	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.063524	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000017	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000256	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000010	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000503	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000040	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000035	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210702690
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		26.7	°C	
Pressure		732.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	31.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.817302	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000028	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000176	µg/m <sup>3</sup>	V0
Barium	0.000054	0.005697	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000037	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000040	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.402466	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000768	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000060	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001875	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000286	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000466	µg/m <sup>3</sup>	V0
Iron	0.001585	0.838150	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000355	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000604	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001126	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.137411	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.014859	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000156	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000354	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001147	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000140	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000070	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.027122	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.312822	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000078	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001047	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000065	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.867858	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.075015	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002428	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000149	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000027	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000219	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000055	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.038512	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000080	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000068	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.003620	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001509	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210702693
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		25.4	°C	
Pressure		734.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	41.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.482941	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000071	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000249	µg/m <sup>3</sup>	V0
Barium	0.000054	0.009738	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000064	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000018	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000053	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.881919	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001492	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000111	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002690	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000504	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000754	µg/m <sup>3</sup>	V0
Iron	0.001585	1.523967	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000681	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001029	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.002220	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.223062	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.031275	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000229	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000690	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001563	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000247	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000095	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.039498	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.506055	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000151	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001848	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000121	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	4.791388	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.098290	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.004074	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000343	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000042	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000392	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000084	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.065702	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000150	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000122	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.005042	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002435	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702703
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		27.0	°C	
Pressure		733.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	89.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	3.626969	µg/m <sup>3</sup>	V4
Antimony	0.000016	0.000073	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000729	µg/m <sup>3</sup>	V0
Barium	0.000054	0.024808	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000124	µg/m <sup>3</sup>	V4
Bismuth	0.000004	0.000065	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000061	µg/m <sup>3</sup>	V0
Calcium	0.013042	4.203727	µg/m <sup>3</sup>	V4
Cerium	0.000013	0.003802	µg/m <sup>3</sup>	V4
Cesium	0.000004	0.000271	µg/m <sup>3</sup>	V4
Chromium	0.000045	0.004308	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.001200	µg/m <sup>3</sup>	V4
Copper	0.000027	0.001781	µg/m <sup>3</sup>	V0
Iron	0.001585	3.270967	µg/m <sup>3</sup>	V4
Lanthanum	0.000004	0.001741	µg/m <sup>3</sup>	V4
Lead	0.000018	0.002468	µg/m <sup>3</sup>	V4
Lithium	0.000016	0.004302	µg/m <sup>3</sup>	V4
Magnesium	0.000279	0.566424	µg/m <sup>3</sup>	V4
Manganese	0.000028	0.060287	µg/m <sup>3</sup>	V4
Molybdenum	0.000025	0.000327	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.001697	µg/m <sup>3</sup>	V4
Nickel	0.000015	0.002562	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000461	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000161	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.049419	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000027	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.990232	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000384	µg/m <sup>3</sup>	V4
Rubidium	0.000003	0.005359	µg/m <sup>3</sup>	V4
Samarium	0.000006	0.000302	µg/m <sup>3</sup>	V4
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	8.411992	µg/m <sup>3</sup>	V4
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.256102	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.012829	µg/m <sup>3</sup>	V4
Tantalum	0.000003	0.000444	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000088	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.001131	µg/m <sup>3</sup>	V4
Tin	0.000008	0.000144	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.138318	µg/m <sup>3</sup>	V4
Tungsten	0.000005	0.000190	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000270	µg/m <sup>3</sup>	V4
Vanadium	0.000018	0.012197	µg/m <sup>3</sup>	V4
Zinc	0.000149	0.007423	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702715
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		25.4	°C	
Pressure		716.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	33.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.616667	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000071	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000158	µg/m <sup>3</sup>	V0
Barium	0.000054	0.007014	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000024	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000020	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000079	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.453348	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000674	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000042	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002740	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000196	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000749	µg/m <sup>3</sup>	V0
Iron	0.001585	0.502586	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000329	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000681	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000492	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.176669	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.013881	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000201	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000302	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000626	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000137	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.032947	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000020	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.313996	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000070	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001020	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000054	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.962338	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.102310	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002168	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000359	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000027	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000199	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000097	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.027023	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000166	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000056	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002115	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003950	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702725
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		24.9	°C	
Pressure		711.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	82.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	2.227808	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000209	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000533	µg/m <sup>3</sup>	V0
Barium	0.000054	0.024187	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000079	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000035	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000112	µg/m <sup>3</sup>	V0
Calcium	0.013042	2.981344	µg/m <sup>3</sup>	V4
Cerium	0.000013	0.003585	µg/m <sup>3</sup>	V4
Cesium	0.000004	0.000139	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.003282	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000849	µg/m <sup>3</sup>	V0
Copper	0.000027	0.002360	µg/m <sup>3</sup>	V0
Iron	0.001585	2.974382	µg/m <sup>3</sup>	V4
Lanthanum	0.000004	0.001754	µg/m <sup>3</sup>	V4
Lead	0.000018	0.002660	µg/m <sup>3</sup>	V4
Lithium	0.000016	0.001869	µg/m <sup>3</sup>	V0
Magnesium	0.000279	1.034627	µg/m <sup>3</sup>	V4
Manganese	0.000028	0.071300	µg/m <sup>3</sup>	V4
Molybdenum	0.000025	0.000234	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.001557	µg/m <sup>3</sup>	V4
Nickel	0.000015	0.002274	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000366	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000124	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.066530	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.906700	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000362	µg/m <sup>3</sup>	V4
Rubidium	0.000003	0.003710	µg/m <sup>3</sup>	V4
Samarium	0.000006	0.000261	µg/m <sup>3</sup>	V4
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	6.649869	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.814095	µg/m <sup>3</sup>	V4
Strontium	0.000012	0.010951	µg/m <sup>3</sup>	V4
Tantalum	0.000003	0.000355	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000072	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.001068	µg/m <sup>3</sup>	V4
Tin	0.000008	0.000189	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.113750	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001236	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000226	µg/m <sup>3</sup>	V4
Vanadium	0.000018	0.009085	µg/m <sup>3</sup>	V4
Zinc	0.000149	0.009209	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702733
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		25.3	°C	
Pressure		716.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	45.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.636685	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000106	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000177	µg/m <sup>3</sup>	V0
Barium	0.000054	0.005532	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000021	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000011	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000059	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.582005	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000609	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000045	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001460	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000194	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000754	µg/m <sup>3</sup>	V0
Iron	0.001585	0.591785	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000294	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000582	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000635	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.156023	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.010867	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000116	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000294	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000646	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000115	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.027361	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.254463	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000063	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000933	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000051	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.628427	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.077181	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002078	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000278	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000024	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000182	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000064	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.024413	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000082	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000050	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002327	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000563	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210702739
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		24.7	°C	
Pressure		736.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	52.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.426260	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000711	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000511	µg/m <sup>3</sup>	V0
Barium	0.000054	0.014631	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000119	µg/m <sup>3</sup>	V4
Bismuth	0.000004	0.000241	µg/m <sup>3</sup>	V4
Cadmium	0.000011	0.000119	µg/m <sup>3</sup>	V0
Calcium	0.013042	1.846160	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001462	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000140	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002672	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000503	µg/m <sup>3</sup>	V0
Copper	0.000027	0.003687	µg/m <sup>3</sup>	V0
Iron	0.001585	1.081044	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000708	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001366	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001853	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.321695	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.019309	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000344	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000715	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001541	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000396	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000306	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.046422	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000090	µg/m <sup>3</sup>	V4
Potassium	0.000402	0.566924	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000166	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.002258	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000138	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000233	µg/m <sup>3</sup>	V0
Silicon	0.010200	4.735827	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000059	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.178170	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.005759	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002296	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000284	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000576	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000501	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.064126	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001019	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000257	µg/m <sup>3</sup>	V4
Vanadium	0.000018	0.006020	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.012929	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210702745
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		24.6	°C	
Pressure		726.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	59.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	2.154534	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000166	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000360	µg/m <sup>3</sup>	V0
Barium	0.000054	0.014377	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000071	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000030	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000078	µg/m <sup>3</sup>	V0
Calcium	0.013042	2.171909	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001963	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000171	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002921	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000577	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001486	µg/m <sup>3</sup>	V0
Iron	0.001585	1.307653	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000900	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001349	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.002128	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.429002	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.022757	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000257	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000890	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001667	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000229	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000079	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.047109	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.699969	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000199	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.002965	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000161	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	3.210480	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.219822	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.007404	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000199	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000058	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000572	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000159	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.076387	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000178	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000162	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.007864	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005691	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210702778
Start Date:	2021-07-13 11:10	End Date:	2021-07-13 11:11	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010145	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000009	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000100	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.021331	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000828	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000012	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.013218	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000097	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.000566	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000257	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000056	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000247	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000056	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.014667	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.088955	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000064	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000279	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000022	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000856	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000060	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000126	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210702751
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.6	°C	
Pressure		720.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	41.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.002475	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000113	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000299	µg/m <sup>3</sup>	V0
Barium	0.000054	0.011803	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000039	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000025	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000093	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.921142	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000864	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000081	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001944	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000258	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000792	µg/m <sup>3</sup>	V0
Iron	0.001585	0.659288	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000441	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000843	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000896	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.274860	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.028717	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000127	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000411	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000863	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000167	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000136	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.060853	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.456720	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000091	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001363	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000074	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000194	µg/m <sup>3</sup>	V0
Silicon	0.010200	1.298821	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000019	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.129480	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.004697	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000260	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000087	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000266	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000122	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.041046	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000175	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000099	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.003329	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.006161	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210702757
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.1	°C	
Pressure		730.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	32.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.452665	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000536	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000179	µg/m <sup>3</sup>	V0
Barium	0.000054	0.009738	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000016	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000036	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000088	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.688169	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000548	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000039	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.004934	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000201	µg/m <sup>3</sup>	V0
Copper	0.000027	0.002222	µg/m <sup>3</sup>	V0
Iron	0.001585	0.575809	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000276	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000673	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000566	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.170217	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.031006	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000401	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000252	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000801	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000096	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000094	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.037431	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000020	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.318870	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000056	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000851	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000045	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000144	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.683083	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.079119	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002697	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000131	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000043	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000137	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000362	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.023940	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000247	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000044	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002312	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.011727	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702761
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.8	°C	
Pressure		710.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	29.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.458370	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000061	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000143	µg/m <sup>3</sup>	V0
Barium	0.000054	0.005701	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000021	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000015	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000081	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.566769	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000506	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000036	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001258	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000166	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000460	µg/m <sup>3</sup>	V0
Iron	0.001585	0.446312	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000257	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000562	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000569	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.146369	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.020978	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000075	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000218	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000637	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000097	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000086	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.040358	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.284622	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000051	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000851	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000044	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.729273	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.076417	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002160	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000194	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000050	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000146	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000044	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.021026	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000116	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000043	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001816	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003489	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702770
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.2	°C	
Pressure		727.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	46.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.818360	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000058	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000257	µg/m <sup>3</sup>	V0
Barium	0.000054	0.008101	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000033	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000037	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000081	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.396654	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000942	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000085	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001876	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000316	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000720	µg/m <sup>3</sup>	V0
Iron	0.001585	0.636184	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000409	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000762	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001175	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.144412	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.016552	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000100	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000516	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000948	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000245	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000082	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.032462	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000020	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.442729	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000110	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001278	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000108	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	3.369777	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.127649	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.003069	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000311	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000048	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000225	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000159	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.076442	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000119	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000123	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.004791	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002841	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210702786
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.5	°C	
Pressure		726.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	27.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.472006	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000028	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000120	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004003	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000015	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000011	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000069	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.191287	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000395	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000040	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001061	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000139	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000343	µg/m <sup>3</sup>	V0
Iron	0.001585	0.296474	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000188	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000472	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000567	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.081509	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.009111	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000055	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000177	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000544	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000109	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.032307	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000015	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.248369	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000042	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000705	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000034	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.618812	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.069069	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001481	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000317	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000114	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000039	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.019752	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000072	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000036	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001873	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001599	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210702789
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.5	°C	
Pressure		728.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	61.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	2.468621	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000072	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000547	µg/m <sup>3</sup>	V0
Barium	0.000054	0.018183	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000079	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000041	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000128	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.611959	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001915	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000211	µg/m <sup>3</sup>	V4
Chromium	0.000045	0.003807	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000747	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001829	µg/m <sup>3</sup>	V0
Iron	0.001585	1.322358	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000943	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001529	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.002696	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.447182	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.023559	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000208	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000980	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001944	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000329	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000106	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.054101	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.913898	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000214	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.003343	µg/m <sup>3</sup>	V4
Samarium	0.000006	0.000174	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.274769	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.344074	µg/m <sup>3</sup>	V4
Strontium	0.000012	0.007878	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000114	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000061	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000572	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000115	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.115193	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000112	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000183	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.011346	µg/m <sup>3</sup>	V4
Zinc	0.000149	0.005884	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702797
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.5	°C	
Pressure		710.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	31.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.296926	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000064	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000131	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004602	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000014	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000080	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.365129	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000373	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000023	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001443	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000110	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000496	µg/m <sup>3</sup>	V0
Iron	0.001585	0.271293	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000187	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000444	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000317	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.104099	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.013966	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000150	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000175	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000707	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000098	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.040094	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.271842	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000040	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000672	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000032	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000156	µg/m <sup>3</sup>	V0
Silicon	0.010200	1.082103	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.054848	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001568	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000250	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000027	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000094	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000038	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.015680	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000124	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000031	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001149	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004806	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702805
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.2	°C	
Pressure		705.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	30.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.313203	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000056	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000150	µg/m <sup>3</sup>	V0
Barium	0.000054	0.005183	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000134	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.398817	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000375	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000023	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002099	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000116	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000736	µg/m <sup>3</sup>	V0
Iron	0.001585	0.462704	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000191	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000481	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000296	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.119694	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.016846	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000126	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000167	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000579	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000054	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000076	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.028433	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000046	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.308332	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000037	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000790	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000030	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.071574	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.067315	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001890	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000060	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000022	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000094	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000039	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.015975	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000154	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000026	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001366	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005699	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210702823
Start Date:	2021-07-16 13:55	End Date:	2021-07-16 13:56	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000024	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000005	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000266	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.021832	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000475	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000010	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.005800	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000023	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000104	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000179	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000036	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.009716	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.112034	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000039	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000159	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000017	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000569	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000059	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000032	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210702813
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.5	°C	
Pressure		736.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	34.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.220183	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000412	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000268	µg/m <sup>3</sup>	V0
Barium	0.000054	0.005274	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000039	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000116	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.427209	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000288	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000020	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001664	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000122	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001597	µg/m <sup>3</sup>	V0
Iron	0.001585	0.336288	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000135	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000985	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000239	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.102073	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.007214	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000182	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000127	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000509	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000054	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.028499	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.217399	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000029	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000608	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000024	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000202	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.407034	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.055967	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001426	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000071	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000019	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000067	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000331	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.014170	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000257	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000018	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001063	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.009128	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702817
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.0	°C	
Pressure		716.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	32.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.102382	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000036	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000214	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001326	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000116	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.284883	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000127	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000012	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001093	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000048	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000254	µg/m <sup>3</sup>	V0
Iron	0.001585	0.123750	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000060	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000656	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000118	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.046420	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004378	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000050	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000060	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000503	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000051	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.017356	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.152443	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000445	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000010	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000191	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.274908	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.018814	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000663	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000152	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000033	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000045	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.006113	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000056	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000410	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002683	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210702827
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.8	°C	
Pressure		726.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	35.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.158370	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000329	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000251	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003462	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000033	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000089	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.306844	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000237	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000019	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001912	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000088	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001603	µg/m <sup>3</sup>	V0
Iron	0.001585	0.265548	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000112	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000698	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000297	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.073564	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.005874	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000184	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000114	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000621	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000107	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000145	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.033598	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000020	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.175074	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000026	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000522	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000019	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000174	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.489083	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.038581	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001101	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000365	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000067	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000061	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000210	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.010278	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000486	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000019	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000749	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005775	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702838
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.6	°C	
Pressure		733.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	58.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.684264	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000228	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000439	µg/m <sup>3</sup>	V0
Barium	0.000054	0.005623	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000049	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000083	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000142	µg/m <sup>3</sup>	V0
Calcium	0.013042	3.768523	µg/m <sup>3</sup>	V4
Cerium	0.000013	0.000834	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000079	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002466	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000267	µg/m <sup>3</sup>	V0
Copper	0.000027	0.002414	µg/m <sup>3</sup>	V0
Iron	0.001585	0.741133	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000399	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001687	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001050	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.199762	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.016205	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000342	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000402	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001884	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000299	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000322	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.031642	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000066	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.403451	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000097	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001510	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000081	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000296	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.814998	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000062	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.095610	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.006485	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001266	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000226	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000225	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000155	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.037624	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000647	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000087	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.003502	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.013788	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210702852
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.0	°C	
Pressure		732.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	44.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.381095	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000039	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000276	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003022	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000016	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000113	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.293648	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000345	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000037	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001584	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000119	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000716	µg/m <sup>3</sup>	V0
Iron	0.001585	0.282455	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000167	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000841	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000451	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.076950	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.005415	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000143	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000164	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000741	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000084	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021870	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.252452	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000037	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000757	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000031	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000176	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.983911	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.052030	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001308	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000219	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000089	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000036	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.017692	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000058	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000029	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001903	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004375	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210702855
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.7	°C	
Pressure		735.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	44.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.530236	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000154	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000382	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004113	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000024	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000043	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000135	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.768555	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000508	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000054	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001613	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000167	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000714	µg/m <sup>3</sup>	V0
Iron	0.001585	0.372965	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000247	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000922	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000668	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.108775	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.006674	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000209	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000244	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000988	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000286	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000155	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.034901	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000038	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.289296	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000057	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000993	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000046	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000197	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.993113	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000050	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.063820	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002116	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001517	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000075	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000153	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000073	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.024022	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000757	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000051	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002583	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005764	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702857
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.2	°C	
Pressure		716.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	27.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.121590	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000058	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000249	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001490	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000118	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.090278	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000095	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001137	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000063	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000997	µg/m <sup>3</sup>	V0
Iron	0.001585	0.080536	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000047	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000610	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000098	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.029906	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003286	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000055	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000040	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000819	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000015	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000079	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.025992	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000053	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.182859	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000416	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000008	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000170	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.187792	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.019427	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000403	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000019	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000020	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000050	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005412	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000119	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000310	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.008693	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702865
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.2	°C	
Pressure		710.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	29.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.108663	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.001581	µg/m <sup>3</sup>	V4
Arsenic	0.000005	0.000265	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001359	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000017	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000111	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.198204	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000148	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000011	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.003722	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000062	µg/m <sup>3</sup>	V0
Copper	0.000027	0.003000	µg/m <sup>3</sup>	V0
Iron	0.001585	0.228371	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000074	µg/m <sup>3</sup>	V0
Lead	0.000018	0.003438	µg/m <sup>3</sup>	V4
Lithium	0.000016	0.000165	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.063208	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004838	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.001652	µg/m <sup>3</sup>	V4
Neodymium	0.000005	0.000070	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000410	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000092	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000050	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.036786	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.169941	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000408	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000012	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000153	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.465096	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.040154	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000611	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000280	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000021	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000041	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000041	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.042668	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000147	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000011	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000592	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000761	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 210702894
Start Date:	2021-07-22 11:52	End Date:	2021-07-22 11:53	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006743	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000061	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000065	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000033	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.017172	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001453	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000020	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.012419	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000128	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000213	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000104	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000277	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000240	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000123	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.014903	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000042	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.056255	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000021	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000015	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001891	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000055	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000025	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000022	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000469	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000789	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000011	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000101	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702876
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.3	°C	
Pressure		715.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.144429	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000056	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000063	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001611	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000013	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.177815	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000160	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000011	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000631	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000055	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000715	µg/m <sup>3</sup>	V0
Iron	0.001585	0.145626	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000081	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000169	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000194	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.044643	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003149	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000044	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000073	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000276	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000053	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.032718	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000021	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.099951	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000249	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000012	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.518236	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.020002	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000562	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000191	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000039	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000027	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.006876	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000062	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000012	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000617	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702880
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.7	°C	
Pressure		710.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.123569	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000081	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000059	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002028	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.198294	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000167	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000007	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000839	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000067	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000647	µg/m <sup>3</sup>	V0
Iron	0.001585	0.141451	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000079	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000186	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000172	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.057686	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003198	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000045	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000072	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000369	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000068	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.029488	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.080359	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000018	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000203	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000013	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.613931	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.032333	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000594	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000234	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000048	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000145	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.006101	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000115	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000011	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000491	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210702887
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.9	°C	
Pressure		735.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	24.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.325690	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000291	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000098	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004165	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000017	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000030	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.371263	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000326	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000030	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.003183	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000140	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001165	µg/m <sup>3</sup>	V0
Iron	0.001585	0.290556	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000148	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000334	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000552	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.066458	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.005068	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000213	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000157	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000653	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000134	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000092	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.025796	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.154048	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000038	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000500	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000028	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.921621	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.052138	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001208	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000414	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000089	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000218	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.016321	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000330	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000035	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001498	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002893	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210702900
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.2	°C	
Pressure		726.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.168242	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000069	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000066	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001554	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.225330	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000153	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000011	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000646	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000068	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000255	µg/m <sup>3</sup>	V0
Iron	0.001585	0.133822	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000072	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000178	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000255	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.038358	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002464	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000059	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000069	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000372	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000061	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.025215	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000050	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.085468	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000240	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000013	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.619609	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.023805	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000671	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000197	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000038	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000040	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.007629	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000083	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000013	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001060	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702906
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.6	°C	
Pressure		716.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.141690	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000056	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000064	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003839	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000018	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.105703	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000129	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000008	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001375	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000061	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000703	µg/m <sup>3</sup>	V0
Iron	0.001585	0.107024	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000061	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000172	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000165	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.033526	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002661	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000080	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000062	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000525	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000022	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000110	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.023365	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000027	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.088835	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000243	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000012	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.121025	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.027213	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000514	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000057	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000031	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000120	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005765	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000138	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000009	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000497	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004114	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210702911
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.0	°C	
Pressure		731.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.094852	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000030	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000047	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000808	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.070787	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000094	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000010	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000757	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000034	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000086	µg/m <sup>3</sup>	V0
Iron	0.001585	0.078894	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000043	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000099	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000212	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.018160	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001421	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000052	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000045	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000331	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000107	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000067	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.018656	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000021	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.046237	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000138	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000009	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.541857	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.011165	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000346	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000330	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000026	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000146	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.004757	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000130	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000011	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000371	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210702914
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.5	°C	
Pressure		734.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	22.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.630981	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000041	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000126	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004077	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000021	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000034	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.239461	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000528	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000053	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001323	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000180	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000386	µg/m <sup>3</sup>	V0
Iron	0.001585	0.368963	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000245	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000399	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000712	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.107724	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.005459	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000093	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000255	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000594	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000205	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000062	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.036293	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000026	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.193013	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000057	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000763	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000047	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.733655	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.067344	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001802	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000649	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000021	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000161	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000029	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.026933	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000134	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000044	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002489	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702923
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.2	°C	
Pressure		732.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	21.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.384368	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000026	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000102	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003374	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	1.368199	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000439	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000033	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001004	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000137	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000673	µg/m <sup>3</sup>	V0
Iron	0.001585	0.334324	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000197	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000348	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000601	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.078201	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.007467	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000059	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000191	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000537	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000068	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.022593	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000029	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.164093	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000044	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000640	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000034	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.436544	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.038517	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002545	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000043	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000103	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000043	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.019497	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000063	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000032	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001461	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 210703008
Start Date:	2021-07-29 11:40	End Date:	2021-07-29 11:41	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.008444	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000017	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000181	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.018173	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001716	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000032	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.014383	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000079	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001447	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000119	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000071	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000235	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000070	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.013387	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000353	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000050	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000388	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000108	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210702964
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		24.0	°C	
Pressure		736.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	21.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.271332	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000017	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.002086	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000020	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.235744	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000210	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000016	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000947	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000155	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000661	µg/m <sup>3</sup>	V0
Iron	0.001585	0.229544	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000093	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000522	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000419	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.052153	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004311	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000066	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000104	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000450	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000058	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.012614	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000015	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.093869	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000026	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000387	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000022	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.142012	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.029891	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000819	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000183	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000045	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000039	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.013127	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000119	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000013	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000815	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702967
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.8	°C	
Pressure		720.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	24.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.374154	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000098	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000169	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004406	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000015	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000043	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.276741	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000365	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000020	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000937	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000225	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000674	µg/m <sup>3</sup>	V0
Iron	0.001585	0.330501	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000173	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000468	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000367	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.101726	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.009241	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000069	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000184	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000429	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000083	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.041489	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000020	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.190442	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000046	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000591	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000036	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.578555	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.053667	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001337	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000185	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000070	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000114	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.017048	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000122	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000020	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001087	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210702974
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.3	°C	
Pressure		738.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	32.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.004756	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000059	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000137	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006647	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000041	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000021	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.558155	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000704	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000061	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001839	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.001081	µg/m <sup>3</sup>	V4
Copper	0.000027	0.001916	µg/m <sup>3</sup>	V0
Iron	0.001585	0.639086	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000320	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000490	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001140	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.176685	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.010305	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000151	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000361	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.003824	µg/m <sup>3</sup>	V4
Niobium	0.000006	0.000152	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000050	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.038647	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.314265	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000090	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001182	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000077	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.763892	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.113088	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002752	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000206	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000150	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000090	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.041628	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000317	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000043	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.003940	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702986
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		24.3	°C	
Pressure		737.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	46.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.700843	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000072	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000109	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006580	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000048	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000020	µg/m <sup>3</sup>	V0
Calcium	0.013042	2.689550	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000757	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000081	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002275	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000532	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001017	µg/m <sup>3</sup>	V0
Iron	0.001585	0.846087	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000341	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000536	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001225	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.197046	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.016269	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000284	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000372	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001165	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000139	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000064	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.035309	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000023	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.334280	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000091	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001315	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000074	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	3.020996	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.138960	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.004796	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000231	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000116	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000120	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.035927	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000216	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000044	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.003415	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702995
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.2	°C	
Pressure		714.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	34.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.529535	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000088	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000137	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006340	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000024	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000033	µg/m <sup>3</sup>	V0
Calcium	0.013042	1.077152	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000710	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000024	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002038	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000405	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000711	µg/m <sup>3</sup>	V0
Iron	0.001585	0.780998	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000333	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000557	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000557	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.267017	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.018645	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000135	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000334	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000657	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000111	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.047310	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000021	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.285823	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000086	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000870	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000064	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.781867	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.149504	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002852	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000202	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000122	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000114	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.026529	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000436	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000033	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002027	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210703002
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.3	°C	
Pressure		740.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	33.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.637179	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000630	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000142	µg/m <sup>3</sup>	V0
Barium	0.000054	0.007894	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000028	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000027	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000035	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.726089	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000568	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000043	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001679	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000363	µg/m <sup>3</sup>	V0
Copper	0.000027	0.004160	µg/m <sup>3</sup>	V0
Iron	0.001585	0.597822	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000253	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000523	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000757	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.165348	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.010534	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000187	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000260	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000826	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000123	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000073	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.046978	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.300136	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000065	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000971	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000052	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.962775	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.089384	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002428	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000206	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000106	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000497	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.030765	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000225	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000033	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002257	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001281	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210703010
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.2	°C	
Pressure		720.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	21.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.112459	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000213	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000017	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002463	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000018	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.225828	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000124	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000007	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001111	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000106	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000544	µg/m <sup>3</sup>	V0
Iron	0.001585	0.332522	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000060	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000126	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000181	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.047216	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.005208	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000120	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000062	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000677	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000059	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021876	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000021	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.077261	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000212	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000013	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.642476	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.017567	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000476	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000227	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000025	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000098	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005326	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000096	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000009	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000800	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210703018
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.0	°C	
Pressure		730.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	42.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.901879	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000233	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000142	µg/m <sup>3</sup>	V0
Barium	0.000054	0.008760	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000034	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000123	µg/m <sup>3</sup>	V4
Cadmium	0.000011	0.000024	µg/m <sup>3</sup>	V0
Calcium	0.013042	1.028505	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000758	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000067	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001842	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000494	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001907	µg/m <sup>3</sup>	V0
Iron	0.001585	0.569266	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000343	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000477	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001018	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.201096	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.010138	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000184	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000342	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000946	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000347	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000113	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.031454	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.365036	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000089	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001357	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000074	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	4.639521	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000022	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.118433	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.004009	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002188	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000036	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000152	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000170	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.039113	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000725	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000047	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.003319	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803066
Start Date:	2021-08-04 13:35	End Date:	2021-08-04 13:36	Duration:	0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.004903	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000135	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000457	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000012	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000184	µg/m <sup>3</sup>	V0
Iron	0.001585	0.006160	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000042	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.000983	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000053	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000031	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000086	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000028	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.012451	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000177	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000031	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000404	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000054	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Ells River	Loc ID:	ELSR
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00
		Set Index:	1
		WBEA ID:	210803027
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.4	°C	
Pressure		728.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.374793	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000017	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.002092	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000018	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.171162	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000260	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000020	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000913	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000171	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000278	µg/m <sup>3</sup>	V0
Iron	0.001585	0.291161	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000112	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000144	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000607	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.063700	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.005366	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000044	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000133	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000367	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000054	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.022573	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.081085	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000031	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000382	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000030	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.746198	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.035451	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000765	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000136	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000064	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000036	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.012489	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000070	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000018	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000740	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210803031
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.7	°C	
Pressure		730.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.116612	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000036	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000668	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.147443	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000096	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000008	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000546	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000065	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000134	µg/m <sup>3</sup>	V0
Iron	0.001585	0.079453	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000042	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000052	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000239	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.023614	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001793	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000036	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000047	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000205	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000042	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.037491	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.050920	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000168	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000010	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.398504	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.015116	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000341	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000190	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000020	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000044	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.004429	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000037	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000173	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803040
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.1	°C	
Pressure		729.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.196556	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000018	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001216	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.366451	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000164	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000011	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000963	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000108	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000283	µg/m <sup>3</sup>	V0
Iron	0.001585	0.158278	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000075	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000118	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000345	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.042353	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003100	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000050	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000077	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000343	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000057	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.021728	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.057807	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000020	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000257	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000016	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.575576	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.024238	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000723	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000198	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000035	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000062	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.007913	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000068	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000009	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000402	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210803058
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.3	°C	
Pressure		712.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.041771	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000040	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000484	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.031410	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000035	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000902	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000130	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000388	µg/m <sup>3</sup>	V0
Iron	0.001585	0.034255	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000068	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000065	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.012627	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000915	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000067	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000835	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000030	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.024512	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.027349	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000079	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.134798	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.005634	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000091	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000158	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000051	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001538	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000137	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803070
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.7	°C	
Pressure		706.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.012895	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000018	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000262	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.021120	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000581	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000017	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000141	µg/m <sup>3</sup>	V0
Iron	0.001585	0.021112	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000024	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000047	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005692	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000533	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000036	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000110	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000027	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.026677	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.016434	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000035	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.004657	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000024	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000155	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000035	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000564	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000070	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210803079
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.0	°C	
Pressure		711.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.071391	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000079	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000786	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000021	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.075082	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000053	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000007	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000823	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000054	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000206	µg/m <sup>3</sup>	V0
Iron	0.001585	0.092567	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000093	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000282	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.019005	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001831	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000108	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000027	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000356	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000082	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000097	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.041535	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.067469	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000124	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.203776	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000014	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.015866	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000200	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000385	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000042	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000254	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002926	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000136	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000213	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210803086
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.6	°C	
Pressure		732.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.288020	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000363	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000020	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003119	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000018	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.250984	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000221	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000016	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001443	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000153	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001243	µg/m <sup>3</sup>	V0
Iron	0.001585	0.212817	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000096	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000161	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000332	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.066333	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004046	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000124	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000115	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000421	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000052	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.034723	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000015	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.092384	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000027	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000337	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000021	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.829071	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.048507	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000819	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000137	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000042	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000206	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.010986	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000112	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000011	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000836	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210803092
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.5	°C	
Pressure		722.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.145823	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000192	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000081	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001700	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000023	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000044	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000029	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.129283	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000120	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000024	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001029	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000118	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000888	µg/m <sup>3</sup>	V0
Iron	0.001585	0.138609	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000058	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000101	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000377	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.036264	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002675	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000128	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000070	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000587	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000158	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000314	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.017341	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000028	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.049660	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000026	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000222	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000027	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.581659	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000061	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.026541	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000477	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001935	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000163	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000047	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000128	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005735	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000676	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000020	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000340	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PM10 Metal**      Samp Use: **Field Procedure Blank**      Set Index: **1**  
Location: **Janvier**      Loc ID: **JANV**      WBEA ID: **210803128**  
Start Date: **2021-08-10 13:23**      End Date: **2021-08-10 13:24**      Duration: **0.0 hr**

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006108	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000133	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001116	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000019	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000168	µg/m <sup>3</sup>	V0
Iron	0.001585	0.009638	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000083	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000146	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.000942	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001242	µg/m <sup>3</sup>	V4
Molybdenum	0.000025	0.000037	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000359	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000032	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.011701	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.043664	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.000816	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000207	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000061	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000354	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000062	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Ells River	Loc ID:	ELSR
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00
		Set Index:	1
		WBEA ID:	210803100
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.2	°C	
Pressure		725.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.082754	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000028	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001091	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000113	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.074321	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000056	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000737	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000053	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000406	µg/m <sup>3</sup>	V0
Iron	0.001585	0.056763	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000025	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000120	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000121	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.022688	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001780	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000035	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000027	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000319	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000029	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.017648	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000015	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.065849	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000152	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.123035	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.011147	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000246	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000127	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000035	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003573	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000041	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000028	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210803103
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.2	°C	
Pressure		728.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	19.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.457487	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000066	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000069	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003524	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000024	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000024	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000134	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.203392	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000295	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000033	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001377	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000251	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000633	µg/m <sup>3</sup>	V0
Iron	0.001585	0.295808	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000137	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000270	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000603	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.087429	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.006044	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000136	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000168	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000755	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000259	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000130	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.034622	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.202695	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000040	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000605	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000036	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.940392	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000031	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.062574	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001319	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001228	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000053	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000080	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000086	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.018682	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000674	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000025	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001630	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803110
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.1	°C	
Pressure		727.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	28.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.889270	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000067	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000107	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006380	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000036	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000014	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000112	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.311816	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000543	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000058	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002279	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000430	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001171	µg/m <sup>3</sup>	V0
Iron	0.001585	0.622010	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000245	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000454	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001095	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.151051	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.008933	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000172	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000294	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001094	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000137	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000089	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.027284	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.283923	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000070	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001052	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000065	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.554279	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.108081	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002426	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000278	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000042	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000133	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000072	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.034339	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000120	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000043	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.003446	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803121
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.7	°C	
Pressure		706.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	23.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.235056	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000050	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.005308	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000241	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.488894	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000196	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000013	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001005	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000135	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000824	µg/m <sup>3</sup>	V0
Iron	0.001585	0.204670	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000091	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000287	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000322	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.098889	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.018767	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000064	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000103	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000567	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000065	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.049780	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.222882	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000025	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000467	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000021	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.967886	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.041189	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001263	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000242	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000021	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000043	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000050	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.008776	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000105	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000012	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000549	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210803138
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.0	°C	
Pressure		711.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	23.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.298969	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000050	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000006	µg/m <sup>3</sup>	V0
Barium	0.000054	0.005495	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000284	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.493128	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000273	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000017	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000772	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000151	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000587	µg/m <sup>3</sup>	V0
Iron	0.001585	0.227384	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000125	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000336	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000409	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.113151	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.012752	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000053	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000126	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000421	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000067	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000050	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.053583	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.241405	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000033	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000516	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000027	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.886457	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000011	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.043064	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001267	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000176	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000029	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000057	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000056	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.011299	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000084	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000016	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000676	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210803156
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.8	°C	
Pressure		710.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	22.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.281888	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000048	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000010	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004169	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000203	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.433598	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000258	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000016	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001189	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000173	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000496	µg/m <sup>3</sup>	V0
Iron	0.001585	0.342228	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000118	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000267	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000369	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.122179	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.010507	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000069	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000144	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000505	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000057	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.036498	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.177866	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000032	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000441	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000029	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.215943	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.038145	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001115	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000224	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000019	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000053	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000056	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.011340	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000105	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000016	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000790	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210803162
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.7	°C	
Pressure		730.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	20.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.218264	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000420	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000022	µg/m <sup>3</sup>	V0
Barium	0.000054	0.008119	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000027	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000054	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000346	µg/m <sup>3</sup>	V4
Calcium	0.013042	0.367113	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000194	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000063	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001733	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000164	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001677	µg/m <sup>3</sup>	V0
Iron	0.001585	0.251370	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000112	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000408	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000295	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.088509	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.009682	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000273	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000116	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000696	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000219	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000265	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.046504	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000073	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.195362	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000055	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000556	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000053	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.678196	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000187	µg/m <sup>3</sup>	V4
Sodium	0.000777	0.045586	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001245	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000227	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000049	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000058	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000336	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.009171	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000124	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000029	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000499	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002749	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210803168
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.3	°C	
Pressure		720.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	23.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.394538	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000080	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000036	µg/m <sup>3</sup>	V0
Barium	0.000054	0.005689	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000018	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000215	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.510951	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000299	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000023	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001612	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000220	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000685	µg/m <sup>3</sup>	V0
Iron	0.001585	0.330523	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000140	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000315	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000404	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.126603	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.010490	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000071	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000143	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000743	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000070	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.032625	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000020	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.204393	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000036	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000511	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000032	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.346785	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.056216	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001855	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000196	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000065	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000084	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.016267	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000092	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000025	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001142	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210803190
Start Date:	2021-08-16 12:41	End Date:	2021-08-16 12:42	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006686	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000047	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000355	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000018	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.025211	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000913	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000019	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000138	µg/m <sup>3</sup>	V0
Iron	0.001585	0.007751	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000163	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.003039	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000163	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000070	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000199	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000217	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000122	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.021374	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000026	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000030	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.001689	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000039	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000055	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000757	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000777	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210803170
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.7	°C	
Pressure		736.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.365399	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000033	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000014	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002029	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000018	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000011	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.377276	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000275	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000022	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001652	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000201	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000291	µg/m <sup>3</sup>	V0
Iron	0.001585	0.299332	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000124	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000152	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000638	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.073632	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.005742	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000083	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000135	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000656	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000121	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000125	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.040242	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.111552	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000035	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000431	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000030	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.860151	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.040039	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001027	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000299	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000065	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000046	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.014787	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000141	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000019	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000888	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210803174
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.6	°C	
Pressure		734.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.356230	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000019	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001958	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000020	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.146917	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000270	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000018	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001006	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000170	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000361	µg/m <sup>3</sup>	V0
Iron	0.001585	0.289590	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000119	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000142	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000572	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.058454	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.005129	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000073	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000145	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000423	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000080	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000054	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.025383	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.080885	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000034	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000351	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000028	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.028439	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.043578	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000740	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000218	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000067	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000034	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.012617	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000102	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000016	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000849	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803181
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.7	°C	
Pressure		735.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.602608	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000031	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000023	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003203	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000022	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.679932	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000438	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000030	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001666	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000293	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000594	µg/m <sup>3</sup>	V0
Iron	0.001585	0.435690	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000195	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000230	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000909	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.096587	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.008515	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000115	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000219	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000690	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000089	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.029498	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.140468	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000052	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000648	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000044	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.302928	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.051350	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001693	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000204	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000097	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000066	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.021550	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000087	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000024	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001500	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803198
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.1	°C	
Pressure		709.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.052207	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000020	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000615	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.104483	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000040	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.002006	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000043	µg/m <sup>3</sup>	V0
Copper	0.000027	0.008948	µg/m <sup>3</sup>	V4
Iron	0.001585	0.061630	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000603	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000100	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.018696	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001210	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000096	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000019	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000437	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000033	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.019670	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.011441	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000065	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.184949	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.007816	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000164	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000176	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000052	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001699	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000071	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210803207
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.6	°C	
Pressure		717.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.171918	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000104	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000040	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002012	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000030	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000048	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000027	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.149239	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000173	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000025	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001355	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000122	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000713	µg/m <sup>3</sup>	V0
Iron	0.001585	0.136735	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000081	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000145	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000349	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.052213	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003459	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000126	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000092	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000581	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000160	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000225	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.025436	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000025	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.065323	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000030	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000270	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000029	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.325425	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000043	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.020808	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000547	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001592	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000162	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000065	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000094	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.006293	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000578	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000024	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000288	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210803237
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.2	°C	
Pressure		717.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.134391	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000055	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000822	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.147718	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000109	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000007	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001479	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000073	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000776	µg/m <sup>3</sup>	V0
Iron	0.001585	0.117184	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000047	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000191	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000170	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.038083	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002147	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000056	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000052	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000309	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000028	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.013050	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.027568	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000148	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000012	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.380755	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.015842	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000342	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000108	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000024	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000024	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.004477	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000033	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000212	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210803243
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.5	°C	
Pressure		738.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	21.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.074871	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000167	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000081	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006958	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000035	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000015	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	1.219984	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000773	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000057	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.004084	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000550	µg/m <sup>3</sup>	V0
Copper	0.000027	0.002032	µg/m <sup>3</sup>	V0
Iron	0.001585	0.571274	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000347	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000462	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001086	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.200876	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.010164	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000172	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000415	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001987	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000120	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000054	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.034750	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.295184	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000097	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001178	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000083	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	4.668179	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.114999	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.003123	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000155	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000168	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000157	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.034719	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000115	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000046	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.003023	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210803249
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.0	°C	
Pressure		728.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.362474	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000132	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.002472	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000024	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000049	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000017	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.682361	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000268	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000028	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001733	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000181	µg/m <sup>3</sup>	V0
Copper	0.000027	0.002419	µg/m <sup>3</sup>	V0
Iron	0.001585	0.235735	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000122	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000295	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000594	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.077270	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004213	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000124	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000141	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000822	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000079	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000141	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.020585	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.115798	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000039	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000479	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000033	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.400596	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000019	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.041863	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001403	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000144	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000044	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000059	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000125	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.012541	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000151	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000019	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000931	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210803258
Start Date:	2021-08-23 12:35	End Date:	2021-08-23 12:36	Duration:	0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.007585	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000168	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.020156	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001379	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000022	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000313	µg/m <sup>3</sup>	V0
Iron	0.001585	0.012281	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000093	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002181	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000137	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000048	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000251	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000032	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.018758	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000194	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000027	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000462	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000054	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210803260
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.1	°C	
Pressure		725.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.123600	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000192	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.002131	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.206308	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000113	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001145	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000080	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000749	µg/m <sup>3</sup>	V0
Iron	0.001585	0.130883	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000056	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000158	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000197	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.057150	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002711	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000086	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000051	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000349	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000052	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.024281	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000015	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.041361	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000014	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000149	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000011	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.941394	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.021445	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000485	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000220	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000022	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000125	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005094	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000124	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000176	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210803267
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.7	°C	
Pressure		735.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	16.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.344442	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000880	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000078	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006705	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000024	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000032	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000028	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.582419	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000318	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000021	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001458	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000232	µg/m <sup>3</sup>	V0
Copper	0.000027	0.002311	µg/m <sup>3</sup>	V0
Iron	0.001585	0.470219	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000172	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000450	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000450	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.149778	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.008815	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000163	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000163	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000670	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000106	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000088	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.037634	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.125575	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000040	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000410	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000035	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.148137	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000011	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.062582	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001477	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000308	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000071	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000438	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.016208	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000307	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000024	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000971	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001003	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803279
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.7	°C	
Pressure		732.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	31.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.103399	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.001822	µg/m <sup>3</sup>	V4
Arsenic	0.000005	0.000156	µg/m <sup>3</sup>	V0
Barium	0.000054	0.007527	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000047	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000014	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000021	µg/m <sup>3</sup>	V0
Calcium	0.013042	1.359178	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000845	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000063	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002463	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000564	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001515	µg/m <sup>3</sup>	V0
Iron	0.001585	0.866002	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000405	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000534	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001273	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.247803	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.014850	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000256	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000413	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001900	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000163	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000081	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.031924	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.305246	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000105	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001317	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000087	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	3.052004	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.159949	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.003843	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000276	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000020	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000180	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000210	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.039455	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000177	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000048	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.004312	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210803291
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.1	°C	
Pressure		731.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	28.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.723608	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000035	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000064	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004575	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000029	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.345737	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000492	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000043	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001637	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000348	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000501	µg/m <sup>3</sup>	V0
Iron	0.001585	0.436427	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000235	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000336	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000816	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.131656	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.006364	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000123	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000259	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000767	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000113	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000055	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.021779	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.198779	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000064	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000760	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000054	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	3.819067	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.094528	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001856	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000200	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000102	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000064	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.028686	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000100	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000033	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002777	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210803294
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.0	°C	
Pressure		733.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	28.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.979334	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000084	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000116	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006533	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000039	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.970456	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000763	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000057	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001990	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000489	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001185	µg/m <sup>3</sup>	V0
Iron	0.001585	0.691811	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000366	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000491	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001155	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.208882	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.011337	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000190	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000399	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001279	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000141	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000060	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.036807	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.288207	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000097	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001218	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000083	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.503946	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.162189	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.003196	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000177	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000166	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000088	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.040131	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000114	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000047	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.004177	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803301
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

### Notes

Sample collected during rainstorm

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.4	°C	
Pressure		708.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	19.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.472437	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000079	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000070	µg/m <sup>3</sup>	V0
Barium	0.000054	0.005227	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000025	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000017	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.797675	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000564	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000018	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001197	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000238	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000451	µg/m <sup>3</sup>	V0
Iron	0.001585	0.544417	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000265	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000433	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000471	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.270626	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.014105	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000067	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000267	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000681	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000087	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.034450	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.181427	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000069	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000629	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000051	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.033692	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.133190	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002114	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000180	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000117	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000075	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.018696	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000154	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000029	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001195	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210803306
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.8	°C	
Pressure		716.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.119570	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000051	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001705	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.159145	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000116	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001234	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000080	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000487	µg/m <sup>3</sup>	V0
Iron	0.001585	0.119886	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000055	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000222	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000176	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.052930	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003025	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000054	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000056	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000482	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000035	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.022415	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000015	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.055016	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000014	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000183	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000011	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.424473	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.020569	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000471	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000125	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000024	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000063	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005736	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000063	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000009	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000125	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210803314
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.0	°C	
Pressure		715.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.158338	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000032	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001851	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000013	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.327863	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000145	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000007	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000582	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000080	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000223	µg/m <sup>3</sup>	V0
Iron	0.001585	0.152073	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000068	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000187	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000205	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.073960	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004062	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000031	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000069	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000263	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000039	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.031354	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.056988	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000018	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000196	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000014	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.404376	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.025169	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000640	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000111	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000031	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000034	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.008787	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000079	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000291	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: **PM10 Metal**  
Location: **Athabasca Valley**  
Start Date: **2021-08-27 11:45**

### Deployment Information

Samp Use: **Field Procedure Blank** Set Index: **1**  
Loc ID: **ATHV** WBEA ID: **210803329**  
End Date: **2021-08-27 11:46** Duration: **0.0 hr**

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	0.000028	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000007	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000077	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000229	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000026	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000152	µg/m <sup>3</sup>	V0
Iron	0.001585	0.002148	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000029	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000047	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000103	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000062	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.032841	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000251	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000381	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000076	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210803323
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.0	°C	
Pressure		709.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.040207	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000025	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000062	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000509	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.047515	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000032	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000481	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000044	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000537	µg/m <sup>3</sup>	V0
Iron	0.001585	0.022151	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000314	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.013344	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000658	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000072	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000237	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000046	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000059	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.045765	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.032223	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000085	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.174835	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000021	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.005345	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000111	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000174	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000025	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000024	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002034	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000079	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000121	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210803333
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.6	°C	
Pressure		729.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.075608	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000199	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000067	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002318	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000018	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000015	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.180142	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000086	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000007	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001336	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000065	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000775	µg/m <sup>3</sup>	V0
Iron	0.001585	0.098262	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000044	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000164	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.034528	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002325	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000128	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000033	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000488	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000094	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.055323	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.074261	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000197	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.280390	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000012	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.013750	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000452	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000356	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000018	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000129	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003532	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000121	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000296	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003534	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210803342
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.7	°C	
Pressure		719.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.040096	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000093	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000075	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000641	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000017	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.071548	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000034	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000544	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000035	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000497	µg/m <sup>3</sup>	V0
Iron	0.001585	0.030073	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000087	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.015682	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000760	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000067	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000162	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000144	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.049834	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.029619	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000074	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.199732	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000018	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.003181	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000140	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000522	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000071	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001633	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000174	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000154	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000404	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210803349
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration:	24.0 hr

### Notes

Raining during sample collection.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.6	°C	
Pressure		728.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.029173	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000027	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000040	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000371	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.090692	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000018	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000517	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000027	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000090	µg/m <sup>3</sup>	V0
Iron	0.001585	0.012944	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000066	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.007711	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000365	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000043	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000153	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000032	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.051880	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.030558	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000056	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.061252	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.001385	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000124	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000114	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000012	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001041	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000043	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000078	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210803352
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.2	°C	
Pressure		726.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.008222	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000026	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000043	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000126	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.016395	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000302	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000019	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000274	µg/m <sup>3</sup>	V0
Iron	0.001585	0.005901	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000072	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.001829	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000196	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000028	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000114	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000050	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.044729	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000044	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.000708	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000014	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.034437	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.002262	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000336	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000016	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000597	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000069	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000032	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000412	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803366
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.8	°C	
Pressure		727.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.022205	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000021	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000050	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000198	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.028246	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000018	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000613	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000037	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000085	µg/m <sup>3</sup>	V0
Iron	0.001585	0.020433	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000073	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.007161	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000529	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000036	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000103	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000045	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.057414	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000042	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.018483	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000047	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.111196	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.001200	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000066	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000310	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001142	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000066	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000095	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803379
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.1	°C	
Pressure		702.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.029085	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000025	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000025	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000407	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.040552	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000036	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000023	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000426	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000031	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000234	µg/m <sup>3</sup>	V0
Iron	0.001585	0.023520	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000020	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000061	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.013520	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000646	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000038	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000123	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000045	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.039965	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000027	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.004828	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000042	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.236281	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.004472	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000092	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000263	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000014	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001308	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000069	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000100	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: **PM10 Metal**  
Location: **Janvier**  
Start Date: **2021-09-01 00:00**

### Deployment Information

Samp Use: **Exposure**  
Loc ID: **JANV**  
End Date: **2021-09-02 00:00**

Set Index: **1**  
WBEA ID: **210803386**  
Duration: **24.0 hr**

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.0	°C	
Pressure		709.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.071855	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000136	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000087	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001599	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000019	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000050	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.058537	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000084	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000616	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000065	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000313	µg/m <sup>3</sup>	V0
Iron	0.001585	0.048423	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000039	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000089	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.021077	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001333	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000093	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000041	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000228	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000426	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000088	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.049315	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.027073	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000017	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000127	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000015	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.355822	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000043	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.009589	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000206	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.004724	µg/m <sup>3</sup>	V4
Thallium	0.000005	0.000049	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000043	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000064	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002750	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000966	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000023	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000208	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 210903430
Start Date:	2021-09-03 11:00	End Date:	2021-09-03 11:01	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.003048	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000015	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000085	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000432	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000017	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.003233	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000032	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000165	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000027	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.036477	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000027	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000181	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000012	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000536	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000051	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210903398
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.7	°C	
Pressure		733.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.155379	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000037	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000989	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.087825	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000138	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000601	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000107	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000073	µg/m <sup>3</sup>	V0
Iron	0.001585	0.086976	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000060	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000151	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000170	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.025848	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001626	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000037	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000064	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000237	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000047	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.038474	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.037291	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000191	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000011	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.363325	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.008198	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000392	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000107	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000035	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000015	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.007255	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000060	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000011	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000465	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210903401
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

### Notes

Raining during sample deployment.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.1	°C	
Pressure		736.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.139130	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000022	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000042	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001030	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000025	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.252124	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000132	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000612	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000082	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000116	µg/m <sup>3</sup>	V0
Iron	0.001585	0.078761	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000058	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000113	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000107	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.034190	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001571	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000038	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000058	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000261	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000055	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.045621	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.045643	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000224	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000012	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.515403	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.009686	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000601	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000156	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000033	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000015	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005363	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000061	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000364	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903407
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

### Notes

Raining during sample collection.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.9	°C	
Pressure		734.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	14.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.291928	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000048	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000057	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001895	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000021	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.692478	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000295	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000018	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000660	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000181	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000347	µg/m <sup>3</sup>	V0
Iron	0.001585	0.205113	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000131	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000181	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000349	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.061470	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004139	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000060	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000125	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000308	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000061	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.046552	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.074304	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000032	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000379	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000023	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.391617	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.017821	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001288	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000181	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000075	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000043	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.009538	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000079	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000016	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000711	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903434
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.5	°C	
Pressure		717.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.045191	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000026	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000021	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001546	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000011	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.064302	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000040	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000485	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000041	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000742	µg/m <sup>3</sup>	V0
Iron	0.001585	0.038579	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000059	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.015784	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000831	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	0.000019	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000201	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000043	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.045196	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.022126	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000058	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.393070	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.006087	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000160	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000209	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000030	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000012	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001992	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000080	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000121	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903440
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.9	°C	
Pressure		710.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.291802	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000708	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000082	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004016	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.481205	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000383	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000015	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001481	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000187	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000325	µg/m <sup>3</sup>	V0
Iron	0.001585	0.312403	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000184	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000310	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000196	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.138302	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.006538	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000089	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000169	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000438	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000078	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.047350	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.115959	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000044	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000483	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000030	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.662684	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.069094	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001407	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000213	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000096	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000050	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.010917	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000140	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000022	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000966	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Janvier	Loc ID:	JANV
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00
		Set Index:	1
		WBEA ID:	210903451
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.1	°C	
Pressure		718.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.048547	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000045	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000019	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000658	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.042032	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000064	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000932	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000044	µg/m <sup>3</sup>	V0
Copper	0.000027	0.004104	µg/m <sup>3</sup>	V0
Iron	0.001585	0.031171	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000029	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000538	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.012475	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000673	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000044	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000027	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000351	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000053	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.041677	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.012739	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000071	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.300170	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.006555	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000121	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000224	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000093	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002212	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000067	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000156	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001058	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210903455
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.2	°C	
Pressure		737.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.120060	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000370	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000077	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003812	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000022	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.240622	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000147	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000007	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000751	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000098	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001568	µg/m <sup>3</sup>	V0
Iron	0.001585	0.139829	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000066	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000305	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000019	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.056406	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002437	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000099	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000067	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000296	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000058	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.050266	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.049206	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000018	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000193	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000012	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.524440	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.026770	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000748	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000221	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000035	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000228	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.006238	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000099	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000009	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000420	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002530	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210903463
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.9	°C	
Pressure		727.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.064993	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000122	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000024	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001322	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000014	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.116850	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000067	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000678	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000054	µg/m <sup>3</sup>	V0
Copper	0.000027	0.002761	µg/m <sup>3</sup>	V0
Iron	0.001585	0.066607	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000032	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000296	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.029104	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001425	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000054	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000029	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000298	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000050	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000304	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.042755	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000016	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.033257	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000102	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.259289	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.010512	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000312	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000241	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000063	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000105	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002588	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000076	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000195	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001062	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 210903486
Start Date:	2021-09-08 13:35	End Date:	2021-09-08 13:36	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.004805	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000049	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000039	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000018	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000689	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000042	µg/m <sup>3</sup>	V0
Copper	0.000027	0.006882	µg/m <sup>3</sup>	V4
Iron	0.001585	0.004023	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000911	µg/m <sup>3</sup>	V4
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.000380	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000133	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000083	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000387	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000111	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000110	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.035083	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000031	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000348	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000068	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000056	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000283	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000181	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000029	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002112	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Janvier	Loc ID:	JANV
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00
		Set Index:	1
		WBEA ID:	210903477
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.2	°C	
Pressure		713.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.033123	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000143	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.001248	µg/m <sup>3</sup>	V4
Barium	0.000054	0.000792	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000014	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000085	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000038	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.036180	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000046	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000021	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000971	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000051	µg/m <sup>3</sup>	V0
Copper	0.000027	0.004243	µg/m <sup>3</sup>	V0
Iron	0.001585	0.024392	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000030	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000578	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.010961	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001032	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000230	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000027	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000564	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000296	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000293	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.046638	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000029	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.020714	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000019	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000102	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000016	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.102958	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000092	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.003875	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000127	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.003027	µg/m <sup>3</sup>	V4
Thallium	0.000005	0.000278	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000053	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000087	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001522	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000930	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000022	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000154	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002652	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903492
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.2	°C	
Pressure		706.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.084120	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000053	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000046	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000956	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.148041	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000096	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000498	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000060	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000253	µg/m <sup>3</sup>	V0
Iron	0.001585	0.063348	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000047	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000174	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.046492	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001483	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000105	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000042	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000158	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000079	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000078	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.032381	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000045	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.028364	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000121	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000008	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.345321	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000020	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.020468	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000365	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000236	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000037	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000031	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000022	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002797	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000130	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000008	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000271	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903500
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

### Notes

Raining during sample deployment.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.9	°C	
Pressure		729.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.012080	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000018	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000026	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000209	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.024752	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000641	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000028	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000745	µg/m <sup>3</sup>	V0
Iron	0.001585	0.008817	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000152	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.002697	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000204	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000049	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000199	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000034	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.037322	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.001684	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000019	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.042385	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000015	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000022	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000121	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000027	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000599	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000053	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000053	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210903516
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.0	°C	
Pressure		728.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.024472	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000092	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000074	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000217	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000051	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.024098	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000027	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000007	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000509	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000035	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000411	µg/m <sup>3</sup>	V0
Iron	0.001585	0.009229	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000050	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.004606	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000334	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000098	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000292	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000349	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000170	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.041051	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000015	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.019210	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000043	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.050615	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000061	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.002009	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000043	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001691	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000074	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000030	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000033	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000937	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000678	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000012	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000081	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210903519
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.4	°C	
Pressure		731.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.063710	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000016	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000015	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000509	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.029667	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000036	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000617	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000053	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000140	µg/m <sup>3</sup>	V0
Iron	0.001585	0.024024	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000081	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.012961	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000337	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000037	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000021	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000289	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000039	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.043624	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.030458	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000088	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.319085	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.004935	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000142	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000159	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.002418	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000054	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000233	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Anzac	Loc ID:	ANZC
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00
		Set Index:	1
		WBEA ID:	210903525
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.0	°C	
Pressure		711.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.020148	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000029	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000019	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000288	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.032859	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000018	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000518	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000029	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000825	µg/m <sup>3</sup>	V0
Iron	0.001585	0.015711	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000119	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.009172	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000537	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000037	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000263	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000037	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.045162	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.011330	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000031	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.088848	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.001301	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000051	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000234	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000021	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000941	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000063	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000062	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210903533
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.2	°C	
Pressure		733.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.074274	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000219	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000026	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002308	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000015	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.134843	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000069	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000539	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000057	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000716	µg/m <sup>3</sup>	V0
Iron	0.001585	0.058006	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000031	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000103	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.031535	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001016	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000085	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000029	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000152	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000050	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.047179	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.030894	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000108	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.431007	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.015032	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000351	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000226	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000017	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000149	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003505	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000079	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000253	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000772	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210903540
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.0	°C	
Pressure		722.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.008523	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000032	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000017	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000135	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.021331	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000435	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000022	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000030	µg/m <sup>3</sup>	V0
Iron	0.001585	0.007813	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.002434	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000234	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000055	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000102	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000046	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.045269	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000014	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.057995	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000015	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000206	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000626	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000057	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000053	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 210903607
Start Date:	2021-09-15 13:25	End Date:	2021-09-15 13:26	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.003623	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	0.000014	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000245	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000018	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000101	µg/m <sup>3</sup>	V0
Iron	0.001585	0.001918	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000047	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000047	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000107	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000047	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.039957	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000213	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000013	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000310	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000056	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210903550
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.9	°C	
Pressure		723.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.117459	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000037	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000063	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001079	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.088195	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000108	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000008	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000528	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000083	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000030	µg/m <sup>3</sup>	V0
Iron	0.001585	0.063416	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000050	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000090	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000021	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.030046	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001213	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000074	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000049	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000235	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000096	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000073	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.041188	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.035290	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000168	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000010	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.205075	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000059	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.015802	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000343	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000127	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000017	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000030	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000040	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.004524	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000117	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000009	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000350	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210903555
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.8	°C	
Pressure		727.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.060319	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000030	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000046	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000580	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.056190	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000051	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000486	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000047	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000060	µg/m <sup>3</sup>	V0
Iron	0.001585	0.024309	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000023	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000063	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.016303	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000567	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000047	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000167	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000073	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.048835	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.028400	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000115	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.114147	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000018	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.005402	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000160	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000116	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000028	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002291	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000082	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000161	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903564
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.7	°C	
Pressure		725.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.105005	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000020	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000045	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001152	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.086786	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000103	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000487	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000066	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000313	µg/m <sup>3</sup>	V0
Iron	0.001585	0.046350	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000054	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000092	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.026870	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000917	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000055	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000047	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000159	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000036	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.039822	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.029798	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000166	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000009	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.351332	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.014146	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000312	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000113	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000025	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000028	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003930	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000051	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000325	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001877	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210903576
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.2	°C	
Pressure		727.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.124548	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000236	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000141	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002671	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000018	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000015	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.207765	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000134	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000007	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000734	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000106	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000754	µg/m <sup>3</sup>	V0
Iron	0.001585	0.099551	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000063	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000294	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000026	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.053413	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001913	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000103	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000060	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000330	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000080	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000054	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.053785	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.048599	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000197	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000012	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.658078	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000012	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.019154	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000621	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000204	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000035	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000138	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.006044	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000104	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000011	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000468	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001231	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Conklin	Loc ID:	CONK
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00
		Set Index:	1
		WBEA ID:	210903589
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.0	°C	
Pressure		701.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.030164	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000046	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000041	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000406	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.054222	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000028	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000782	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000039	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000302	µg/m <sup>3</sup>	V0
Iron	0.001585	0.023374	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000086	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.012667	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000635	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000065	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000307	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000102	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000072	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.039214	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.017681	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000049	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.103122	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000025	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.004509	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000096	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000251	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000020	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000014	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000078	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001161	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000152	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000096	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001132	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903593
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.0	°C	
Pressure		706.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.044970	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000032	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000032	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000484	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.067615	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000041	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000371	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000038	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000028	µg/m <sup>3</sup>	V0
Iron	0.001585	0.024071	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000021	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000113	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.017588	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000577	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000032	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000149	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000039	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.041906	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.017557	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000063	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.177569	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.004939	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000147	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000132	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000029	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001807	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000058	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000128	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Patricia McInnes	Loc ID:	PATM
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00
		Set Index:	1
		WBEA ID:	210903599
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.4	°C	
Pressure		718.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.088641	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000049	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000046	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000921	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.086165	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000082	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000623	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000061	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000363	µg/m <sup>3</sup>	V0
Iron	0.001585	0.058924	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000040	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000128	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.026798	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001250	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000074	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000038	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000231	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000087	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000052	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.045188	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.034931	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000134	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.282355	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000016	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.008023	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000270	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000203	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000024	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000048	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003447	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000098	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000007	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000274	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903616
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.4	°C	
Pressure		709.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.043623	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000108	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000093	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000677	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000056	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000023	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.046695	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000068	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000011	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000594	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000046	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000379	µg/m <sup>3</sup>	V0
Iron	0.001585	0.025480	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000036	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000115	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.017855	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000805	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000118	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000029	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000228	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000345	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000153	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.036854	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000025	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.024440	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000083	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000010	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.148010	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000063	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.004874	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000126	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002162	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000077	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000052	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000067	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001900	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000801	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000020	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000141	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210903637
Start Date:	2021-09-22 10:24	End Date:	2021-09-22 10:25	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.005071	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000018	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000005	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000191	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.022546	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000452	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000023	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.003719	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.001460	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000129	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000173	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000030	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.020194	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.020772	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000102	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000572	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000057	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903623
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.8	°C	
Pressure		702.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	22.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.336522	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000119	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000099	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004430	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.589632	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000510	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000017	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000644	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000253	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000450	µg/m <sup>3</sup>	V0
Iron	0.001585	0.283755	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000242	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000370	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000183	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.176538	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.006089	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000086	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000218	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000439	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000075	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.040678	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.121918	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000061	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000528	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000040	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.097802	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000014	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.083462	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001751	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000118	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000130	µg/m <sup>3</sup>	V0
Tin	0.000008	0.002056	µg/m <sup>3</sup>	V4
Titanium	0.000031	0.014182	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000161	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000029	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001272	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903627
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, partisol had a filter temp status code.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.7	°C	
Pressure		710.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.224437	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000097	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000079	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003140	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.188110	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000226	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000014	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000647	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000139	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000345	µg/m <sup>3</sup>	V0
Iron	0.001585	0.097296	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000107	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000252	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000071	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.079922	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002148	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000070	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000109	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000270	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000077	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000164	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.034289	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.077379	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000029	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000360	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000019	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.544178	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.033132	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000753	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000121	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000098	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000070	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.008900	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000063	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000018	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000700	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903646
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.4	°C	
Pressure		726.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	16.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.526624	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000046	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000077	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003600	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000022	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.758521	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000421	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000034	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001180	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000257	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000240	µg/m <sup>3</sup>	V0
Iron	0.001585	0.174941	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000193	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000314	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000555	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.106299	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003720	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000210	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000191	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000392	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000076	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.034355	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.136284	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000050	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000665	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000036	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.670939	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.052079	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001815	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000083	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000114	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000053	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.015624	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000062	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000029	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001466	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	210903657
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.2	°C	
Pressure		723.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.200545	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000023	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000046	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001807	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.102425	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000190	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000013	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000632	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000116	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000058	µg/m <sup>3</sup>	V0
Iron	0.001585	0.091113	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000085	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000136	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000118	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.038469	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001703	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000061	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000083	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000265	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000082	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.037649	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.057487	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000023	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000267	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000018	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.583907	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000014	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.025211	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000540	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000140	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000049	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000041	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.007355	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000087	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000013	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000685	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210903659
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.6	°C	
Pressure		727.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	16.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.714418	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000091	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000142	µg/m <sup>3</sup>	V0
Barium	0.000054	0.005869	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000020	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000015	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000013	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.542515	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000589	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000054	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000853	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000327	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000691	µg/m <sup>3</sup>	V0
Iron	0.001585	0.243938	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000271	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000406	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000723	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.128200	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003886	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000096	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000293	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000430	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000137	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000054	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.061153	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.221848	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000072	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000960	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000057	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.179049	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000014	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.078919	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002234	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000175	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000151	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000068	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.026153	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000097	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000043	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002352	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003696	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210903667
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.5	°C	
Pressure		728.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.196434	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000388	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000160	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006341	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000028	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000016	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.362693	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000247	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000012	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000660	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000182	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000825	µg/m <sup>3</sup>	V0
Iron	0.001585	0.146781	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000123	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000629	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000071	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.094568	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002413	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000116	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000109	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000226	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000049	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.034594	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.075003	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000029	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000316	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000023	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.536138	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.041182	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001077	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000091	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000054	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000272	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.008992	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000175	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000014	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000733	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003641	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903677
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.6	°C	
Pressure		707.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.152031	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000193	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000220	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003551	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000018	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000084	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000060	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.186026	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000165	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000023	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000887	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000122	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000616	µg/m <sup>3</sup>	V0
Iron	0.001585	0.115929	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000088	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000275	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000034	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.065169	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002443	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000187	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000088	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000670	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000280	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000321	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.040772	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000025	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.077171	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000030	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000282	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000025	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.287738	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000090	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.029797	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000605	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002112	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000286	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000082	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000081	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005448	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000701	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000029	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000557	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210903684
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.6	°C	
Pressure		718.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	15.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.181348	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000085	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000093	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002192	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000032	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.384493	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000183	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000015	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000611	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000117	µg/m <sup>3</sup>	V0
Copper	0.000027	0.016264	µg/m <sup>3</sup>	V4
Iron	0.001585	0.124465	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000087	µg/m <sup>3</sup>	V0
Lead	0.000018	0.001596	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000109	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.077662	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002187	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000218	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000083	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000241	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000122	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000139	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.036230	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000027	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.048983	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000024	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000232	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000017	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.295291	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000036	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.031004	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001035	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000272	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000075	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000059	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000141	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.006553	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000180	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000020	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000604	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.007110	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PM10 Metal**      Samp Use: **Field Procedure Blank**      Set Index: **1**  
Location: **Patricia McInnes**      Loc ID: **PATM**      WBEA ID: **210903723**  
Start Date: **2021-09-28 11:35**      End Date: **2021-09-28 11:36**      Duration: **0.0 hr**

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006709	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000651	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000025	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000425	µg/m <sup>3</sup>	V0
Iron	0.001585	0.004584	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000076	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000034	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000086	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000028	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000222	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000017	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.051929	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000030	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000090	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000483	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000134	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903697
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.8	°C	
Pressure		711.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.255983	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000063	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.003346	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.345883	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000324	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001197	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000162	µg/m <sup>3</sup>	V0
Copper	0.000027	0.002834	µg/m <sup>3</sup>	V0
Iron	0.001585	0.319787	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000162	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000403	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000250	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.114399	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.006997	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000098	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000156	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000465	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000078	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000056	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.077972	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000031	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.083577	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000039	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000398	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000028	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.404833	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000011	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.064383	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001141	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000208	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000068	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.009815	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000168	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000014	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000220	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001926	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903703
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.2	°C	
Pressure		718.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.215814	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000075	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.003149	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.167042	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000270	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000640	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000135	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000341	µg/m <sup>3</sup>	V0
Iron	0.001585	0.142708	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000130	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000254	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000210	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.071192	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003689	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000049	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000120	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000259	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000067	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.069997	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000032	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.078271	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000034	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000345	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000023	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.387140	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.034963	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000733	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000167	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000048	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.008702	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000107	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000011	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000651	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903710
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.9	°C	
Pressure		716.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.066037	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000035	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001066	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.080467	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000061	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001132	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000055	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000217	µg/m <sup>3</sup>	V0
Iron	0.001585	0.072870	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000031	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000078	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000087	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.023907	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001498	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000081	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000031	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000215	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000052	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.065670	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000035	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.015536	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000081	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.223381	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.012520	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000209	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000222	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.002423	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000080	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210903715
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, partisol had powerfail and sample period status codes. Resulted in a short sampling duration and low sample volume.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.6	°C	
Pressure		737.2	mmHg	
Sample Volume		22.4	m <sup>3</sup>	V6
Particulate Matter	0.042	14.821	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.293813	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000916	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000361	µg/m <sup>3</sup>	V0
Barium	0.000054	0.010257	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000048	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000022	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.464607	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000354	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000014	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001218	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000225	µg/m <sup>3</sup>	V0
Copper	0.000027	0.003664	µg/m <sup>3</sup>	V0
Iron	0.001585	0.340504	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000165	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000588	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000317	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.111949	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.006315	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000256	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000170	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000567	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000061	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000096	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.080692	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000033	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.112392	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000041	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000447	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000031	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.447134	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000016	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.045576	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001602	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000126	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000059	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000481	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.014486	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000244	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000015	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000306	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.011276	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210903725
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.5	°C	
Pressure		727.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.067863	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000112	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001385	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.081959	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000068	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000572	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000053	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000255	µg/m <sup>3</sup>	V0
Iron	0.001585	0.055481	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000036	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000076	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000091	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.024983	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001267	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000044	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000032	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000204	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000050	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.069321	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000031	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.021360	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000096	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.376393	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.013259	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000292	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000191	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.002646	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000082	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000495	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903741
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

### Notes

Small fly found on filter upon collection of the sample.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.3	°C	
Pressure		734.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	19.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.087087	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000299	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000199	µg/m <sup>3</sup>	V0
Barium	0.000054	0.009538	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000048	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000079	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000030	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.416064	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000815	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000103	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002184	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000566	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001425	µg/m <sup>3</sup>	V0
Iron	0.001585	0.562779	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000388	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000510	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001354	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.192050	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.008512	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000320	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000430	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001139	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000384	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000380	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.077779	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000037	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.316124	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000114	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001570	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000098	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.667845	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000101	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.117702	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.003298	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002781	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000194	µg/m <sup>3</sup>	V4
Thorium	0.000002	0.000187	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.037592	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000815	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000061	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.003681	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003166	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Ells River	Loc ID:	ELSR
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00
		Set Index:	1
		WBEA ID:	210903782
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.7	°C	
Pressure		731.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.097205	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000023	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001009	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.055080	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000080	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001334	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000080	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000323	µg/m <sup>3</sup>	V0
Iron	0.001585	0.070382	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000044	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000096	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000133	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.023525	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001263	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000074	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000043	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000571	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000067	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.064506	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000032	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.036311	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000152	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000009	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.267715	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.016322	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000300	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000223	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000017	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.004214	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000094	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000203	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	210903785
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.2	°C	
Pressure		735.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.629521	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000145	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.005950	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000020	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.199752	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000507	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000044	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001577	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000313	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000749	µg/m <sup>3</sup>	V0
Iron	0.001585	0.311855	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000245	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000307	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000708	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.117705	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004825	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000108	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000261	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000693	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000103	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000055	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.084842	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000031	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.181744	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000064	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000867	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000052	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.187456	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000011	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.070553	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001824	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000216	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000105	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.023756	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000082	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000028	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001675	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002480	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 211003802
Start Date:	2021-10-04 13:10	End Date:	2021-10-04 13:11	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.007004	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000053	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001274	µg/m <sup>3</sup>	V4
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000015	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.022361	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000437	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000043	µg/m <sup>3</sup>	V0
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	0.005006	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000107	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001092	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000082	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000082	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000169	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000088	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000146	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.055170	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000034	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.002926	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000028	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000212	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000042	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001224	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000177	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211003788
Start Date:	2021-10-07 00:00	End Date:	2021-10-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.4	°C	
Pressure		713.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.083498	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000039	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001138	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000018	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.119235	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000102	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.002291	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000091	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000333	µg/m <sup>3</sup>	V0
Iron	0.001585	0.094080	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000057	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000092	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000156	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.037006	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001891	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000207	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000044	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000421	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000067	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000091	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.058250	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000026	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.044077	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000173	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000009	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.146196	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000021	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.018079	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000351	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000147	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000019	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000018	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.003859	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000126	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.001023	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211003806
Start Date:	2021-10-07 00:00	End Date:	2021-10-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.3	°C	
Pressure		734.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.266522	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.001191	µg/m <sup>3</sup>	V4
Arsenic	0.000005	0.000146	µg/m <sup>3</sup>	V0
Barium	0.000054	0.013214	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000024	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000074	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000042	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.417967	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000360	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000019	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001353	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000227	µg/m <sup>3</sup>	V0
Copper	0.000027	0.007633	µg/m <sup>3</sup>	V4
Iron	0.001585	0.337334	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000157	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000453	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000365	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.099174	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.005551	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000289	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000161	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000494	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000097	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000191	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.062206	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000053	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.110656	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000043	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000430	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000034	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.162710	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000039	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.047760	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001444	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000161	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000048	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000068	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000755	µg/m <sup>3</sup>	V4
Titanium	0.000031	0.014313	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000317	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000026	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000340	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.013119	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211003817
Start Date:	2021-10-07 00:00	End Date:	2021-10-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.6	°C	
Pressure		725.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.087535	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000147	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000308	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001643	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000020	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.106242	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000098	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001380	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000083	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000431	µg/m <sup>3</sup>	V0
Iron	0.001585	0.084309	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000044	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000105	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000127	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.034306	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001457	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000101	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000046	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000326	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000060	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000051	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.064095	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000029	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.038933	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000147	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000008	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.249844	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.017972	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000393	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000244	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.003784	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000124	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.001803	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211003869
Start Date:	2021-10-07 00:00	End Date:	2021-10-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.1	°C	
Pressure		708.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.137892	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000146	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.002810	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000022	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.203024	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000188	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000774	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000120	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000586	µg/m <sup>3</sup>	V0
Iron	0.001585	0.178029	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000109	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000156	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000177	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.072067	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004038	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000086	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000086	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000300	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000065	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000067	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.061082	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000023	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.053421	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000023	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000228	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000018	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.215250	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000019	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.042127	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000652	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000146	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000036	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.006693	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000125	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000009	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.001399	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211003876
Start Date:	2021-10-07 00:00	End Date:	2021-10-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.5	°C	
Pressure		716.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.093993	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000061	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001272	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000013	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.087242	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000104	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000578	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000075	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000213	µg/m <sup>3</sup>	V0
Iron	0.001585	0.072065	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000066	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000103	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000130	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.030316	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001927	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000044	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000047	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000220	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000047	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000058	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.066786	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000027	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.030400	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000148	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000010	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.233680	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.018676	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000360	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000138	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000018	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.003543	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000092	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000261	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211003886
Start Date:	2021-10-07 00:00	End Date:	2021-10-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.8	°C	
Pressure		729.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.242843	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000029	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.002830	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000019	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.092794	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000169	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000017	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000744	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000125	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000414	µg/m <sup>3</sup>	V0
Iron	0.001585	0.100126	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000080	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000124	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000306	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.053741	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001439	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000038	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000085	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000395	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000066	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.071530	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000037	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.085403	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000022	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000363	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000018	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.673722	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.034713	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000705	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000250	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000034	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.008840	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000059	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000218	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000803	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	211003889
Start Date:	2021-10-07 00:00	End Date:	2021-10-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.3	°C	
Pressure		733.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	32.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.884763	µg/m <sup>3</sup>	V4
Antimony	0.000016	0.000098	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000196	µg/m <sup>3</sup>	V0
Barium	0.000054	0.013979	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000065	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000049	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000025	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.383697	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001343	µg/m <sup>3</sup>	V4
Cesium	0.000004	0.000147	µg/m <sup>3</sup>	V4
Chromium	0.000045	0.002444	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000847	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001209	µg/m <sup>3</sup>	V0
Iron	0.001585	0.791285	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000613	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000636	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.002100	µg/m <sup>3</sup>	V4
Magnesium	0.000279	0.317476	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.009741	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000259	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000697	µg/m <sup>3</sup>	V4
Nickel	0.000015	0.001385	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000581	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000254	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.086972	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000029	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.490271	µg/m <sup>3</sup>	V4
Praseodymium	0.000002	0.000176	µg/m <sup>3</sup>	V4
Rubidium	0.000003	0.002562	µg/m <sup>3</sup>	V4
Samarium	0.000006	0.000149	µg/m <sup>3</sup>	V4
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.166235	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000075	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.206579	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.005334	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002177	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000073	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000300	µg/m <sup>3</sup>	V4
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.064999	µg/m <sup>3</sup>	V4
Tungsten	0.000005	0.001066	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000085	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.006110	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.013162	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211003894
Start Date:	2021-10-07 00:00	End Date:	2021-10-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.5	°C	
Pressure		732.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	29.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.394610	µg/m <sup>3</sup>	V4
Antimony	0.000016	0.000047	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000086	µg/m <sup>3</sup>	V0
Barium	0.000054	0.011183	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000045	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000018	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000022	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.318779	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000980	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000118	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001782	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000899	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000763	µg/m <sup>3</sup>	V0
Iron	0.001585	0.584430	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000456	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000547	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001633	µg/m <sup>3</sup>	V4
Magnesium	0.000279	0.239565	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.007717	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000121	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000529	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001465	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000194	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000104	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.076910	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000025	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.420514	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000127	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.002062	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000108	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.446479	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000019	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.160752	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.003966	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000155	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000024	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000202	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.055770	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000210	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000063	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.004944	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001896	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 211003943
Start Date:	2021-10-12 11:45	End Date:	2021-10-12 11:46	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006073	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000034	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000104	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.018267	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000614	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000021	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000030	µg/m <sup>3</sup>	V0
Iron	0.001585	0.005150	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000041	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.001157	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000080	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000046	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000142	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000048	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.069326	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000048	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000249	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000687	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000080	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211003910
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.9	°C	
Pressure		706.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.176448	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000063	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.002184	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000017	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.270218	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000178	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000719	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000124	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000223	µg/m <sup>3</sup>	V0
Iron	0.001585	0.120824	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000092	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000195	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000187	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.092936	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003328	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000110	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000082	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000358	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000058	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.066593	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000034	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.066769	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000022	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000234	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000016	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.350075	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.040654	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000706	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000211	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000035	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.006565	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000112	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000009	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000788	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211003916
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.3	°C	
Pressure		728.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	39.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	2.336328	µg/m <sup>3</sup>	V4
Antimony	0.000016	0.000107	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000199	µg/m <sup>3</sup>	V0
Barium	0.000054	0.018911	µg/m <sup>3</sup>	V4
Beryllium	0.000013	0.000073	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000026	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.719963	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001822	µg/m <sup>3</sup>	V4
Cesium	0.000004	0.000178	µg/m <sup>3</sup>	V4
Chromium	0.000045	0.002572	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.001059	µg/m <sup>3</sup>	V4
Copper	0.000027	0.001268	µg/m <sup>3</sup>	V0
Iron	0.001585	0.931474	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000887	µg/m <sup>3</sup>	V4
Lead	0.000018	0.000980	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.002586	µg/m <sup>3</sup>	V4
Magnesium	0.000279	0.412963	µg/m <sup>3</sup>	V4
Manganese	0.000028	0.013823	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000260	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000947	µg/m <sup>3</sup>	V4
Nickel	0.000015	0.001590	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000359	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000171	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.091396	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000022	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.592408	µg/m <sup>3</sup>	V4
Praseodymium	0.000002	0.000236	µg/m <sup>3</sup>	V4
Rubidium	0.000003	0.003113	µg/m <sup>3</sup>	V4
Samarium	0.000006	0.000194	µg/m <sup>3</sup>	V4
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.237842	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000043	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.293420	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.007107	µg/m <sup>3</sup>	V4
Tantalum	0.000003	0.000346	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000041	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000381	µg/m <sup>3</sup>	V4
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.082445	µg/m <sup>3</sup>	V4
Tungsten	0.000005	0.000255	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000105	µg/m <sup>3</sup>	V4
Vanadium	0.000018	0.008065	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002610	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211003924
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.6	°C	
Pressure		715.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.194067	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000130	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.002407	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000041	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000018	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.183992	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000197	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000014	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001125	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000135	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000395	µg/m <sup>3</sup>	V0
Iron	0.001585	0.128976	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000101	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000195	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000214	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.085026	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003660	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000139	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000096	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000397	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000412	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000187	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.065204	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000038	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.074881	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000027	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000306	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000022	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000152	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.768536	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000062	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.038257	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000651	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002643	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000056	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000050	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.007992	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001152	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000016	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000489	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	211003927
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.1	°C	
Pressure		732.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	33.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.826323	µg/m <sup>3</sup>	V4
Antimony	0.000016	0.000093	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000106	µg/m <sup>3</sup>	V0
Barium	0.000054	0.014278	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000060	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000014	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.804451	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001524	µg/m <sup>3</sup>	V4
Cesium	0.000004	0.000125	µg/m <sup>3</sup>	V4
Chromium	0.000045	0.002040	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000847	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000952	µg/m <sup>3</sup>	V0
Iron	0.001585	0.953674	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000728	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000816	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.002164	µg/m <sup>3</sup>	V4
Magnesium	0.000279	0.328093	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.015524	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000218	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000769	µg/m <sup>3</sup>	V4
Nickel	0.000015	0.001398	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000239	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000117	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.085931	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.434102	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000193	µg/m <sup>3</sup>	V4
Rubidium	0.000003	0.002371	µg/m <sup>3</sup>	V4
Samarium	0.000006	0.000155	µg/m <sup>3</sup>	V4
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	1.461336	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000022	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.314809	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.005659	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000207	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000024	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000303	µg/m <sup>3</sup>	V4
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.060637	µg/m <sup>3</sup>	V4
Tungsten	0.000005	0.000169	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000082	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.006126	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002135	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211003937
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.6	°C	
Pressure		731.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	38.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	1.238765	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000104	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000078	µg/m <sup>3</sup>	V0
Barium	0.000054	0.011224	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000051	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.897429	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.001109	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000110	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002210	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000695	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001930	µg/m <sup>3</sup>	V0
Iron	0.001585	0.705200	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000530	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000729	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001621	µg/m <sup>3</sup>	V4
Magnesium	0.000279	0.234125	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.012107	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000232	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000567	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001072	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000221	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000101	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.082878	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000035	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.414426	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000142	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.002179	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000111	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	2.288814	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000016	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.216836	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.004948	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000294	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000025	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000204	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.053270	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000171	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000064	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.004827	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001909	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211003949
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.1	°C	
Pressure		712.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.105099	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000054	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001306	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.155662	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000087	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000870	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000078	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000200	µg/m <sup>3</sup>	V0
Iron	0.001585	0.063846	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000051	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000137	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000139	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.048299	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001789	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000047	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000043	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000488	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000060	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000056	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.067183	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000037	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.025878	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000131	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000009	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.300063	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.026178	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000625	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000234	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000019	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.004049	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000096	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00
		Set Index:	1
		WBEA ID:	211003957
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.1	°C	
Pressure		733.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.133568	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000359	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.004050	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000027	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.210102	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000161	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000880	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000124	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001220	µg/m <sup>3</sup>	V0
Iron	0.001585	0.137854	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000079	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000207	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000203	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.065726	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002668	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000165	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000072	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000249	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000135	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000123	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.067348	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000033	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.037556	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000019	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000188	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000015	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.666231	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000032	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.029780	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000668	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000344	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000030	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000121	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.006735	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000280	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000009	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.002018	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211003962
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.5	°C	
Pressure		723.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.125796	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000324	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.003327	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000028	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.192511	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000151	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001111	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000103	µg/m <sup>3</sup>	V0
Copper	0.000027	0.002720	µg/m <sup>3</sup>	V0
Iron	0.001585	0.119966	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000072	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000168	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000162	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.063205	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002622	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000132	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000069	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000426	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000082	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000077	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.065317	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000039	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.051581	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000020	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000208	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000013	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.634877	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000018	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.033730	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000669	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000277	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000027	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000040	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.006200	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000176	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000008	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.002825	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 211004311
Start Date:	2021-10-18 11:55	End Date:	2021-10-18 11:56	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.003892	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000258	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000015	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000033	µg/m <sup>3</sup>	V0
Iron	0.001585	0.002995	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000044	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000052	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000060	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000025	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.062155	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000030	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000136	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000397	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000050	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000708	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	211004030
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.3	°C	
Pressure		743.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.408732	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000077	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.003137	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000011	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	1.256807	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000321	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000024	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000839	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000221	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000715	µg/m <sup>3</sup>	V0
Iron	0.001585	0.207641	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000145	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000234	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000504	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.091301	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004292	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000209	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000162	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000593	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000075	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000058	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.083561	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000030	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.123052	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000040	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000571	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000032	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.419740	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000012	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.045377	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002391	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000196	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000062	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.013531	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000116	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000017	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001070	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003158	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211004033
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.1	°C	
Pressure		739.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.306166	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000055	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.002384	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.775462	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000273	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000016	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000749	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000167	µg/m <sup>3</sup>	V0
Copper	0.000027	0.005183	µg/m <sup>3</sup>	V0
Iron	0.001585	0.148279	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000124	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000339	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000386	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.075253	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002891	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000133	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000130	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000427	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000076	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000055	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.077405	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000027	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.080389	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000035	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000425	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000025	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.428467	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000013	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.040863	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001594	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000213	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000054	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.011641	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000142	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000013	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000615	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004088	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211004037
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.8	°C	
Pressure		742.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	19.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.718914	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000165	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000452	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004716	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000023	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000016	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	2.159423	µg/m <sup>3</sup>	V4
Cerium	0.000013	0.000575	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000047	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000997	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000363	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000769	µg/m <sup>3</sup>	V0
Iron	0.001585	0.265543	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000262	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000430	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000825	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.145700	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.005513	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000305	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000286	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000642	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000149	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000102	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.099961	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000029	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.211651	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000073	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001028	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000058	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.605041	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000022	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.075174	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.004117	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000260	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000116	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000013	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.023654	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000154	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000031	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002044	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003297	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211004064
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.2	°C	
Pressure		744.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.065251	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000113	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001281	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.111305	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000067	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000553	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000061	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000520	µg/m <sup>3</sup>	V0
Iron	0.001585	0.063107	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000030	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000093	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000115	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.030860	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001084	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000111	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000033	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000169	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000082	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000104	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.081301	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000026	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.014421	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000087	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.394357	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000022	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.014687	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000305	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000296	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000024	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.002847	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000186	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.001059	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211004070
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.3	°C	
Pressure		734.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.082242	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000224	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.002091	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000026	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.151496	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000097	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000405	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000074	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000857	µg/m <sup>3</sup>	V0
Iron	0.001585	0.075174	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000044	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000154	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000120	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.045317	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001520	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000118	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000045	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000101	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000130	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000107	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.082042	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000023	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.025542	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000116	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000009	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.286774	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000029	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.020751	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000446	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000281	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000018	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000024	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003799	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000220	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.001662	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211004079
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.3	°C	
Pressure		722.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.048090	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000039	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000400	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000015	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.072876	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000045	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000439	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000046	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000094	µg/m <sup>3</sup>	V0
Iron	0.001585	0.040698	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000023	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000057	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000093	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.021835	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000887	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000100	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000022	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000118	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000111	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000144	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.069116	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000026	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.009552	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000071	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.085311	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000036	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.011564	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000173	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000341	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000048	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001896	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000236	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211004315
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.1	°C	
Pressure		716.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.193071	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000121	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.002188	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000039	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000108	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000039	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.284382	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000262	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000027	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001116	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000136	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000466	µg/m <sup>3</sup>	V0
Iron	0.001585	0.136202	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000130	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000251	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000254	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.104833	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003648	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000233	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000128	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000501	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000322	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000339	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.080857	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000085	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.090240	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000043	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000347	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000036	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000149	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.252518	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000091	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.047057	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000954	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.003065	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000236	µg/m <sup>3</sup>	V4
Thorium	0.000002	0.000115	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.006560	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000955	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000049	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.001481	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Janvier	Loc ID:	JANV
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00
		Set Index:	1
		WBEA ID:	211004359
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.7	°C	
Pressure		725.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.143291	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000039	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001763	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000011	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.113029	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000184	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000723	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000095	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000303	µg/m <sup>3</sup>	V0
Iron	0.001585	0.079750	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000088	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000154	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000169	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.052432	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001822	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000074	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000094	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000194	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000063	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000075	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.081340	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000027	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.041787	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000023	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000216	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000017	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.347276	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000016	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.024420	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000501	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000149	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000038	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.005684	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000092	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000011	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211004410
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, partisol had a filter temp status code.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.4	°C	
Pressure		714.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.036365	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000133	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000956	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000016	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.049384	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000038	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000410	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000040	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000414	µg/m <sup>3</sup>	V0
Iron	0.001585	0.028054	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000342	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000086	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.015007	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000838	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000065	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000059	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000130	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000035	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000081	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.075637	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.016732	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000056	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000205	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.035795	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000017	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.008919	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000141	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000137	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000017	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001857	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000095	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000736	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211004416
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.6	°C	
Pressure		723.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.064715	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000183	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001564	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000016	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.088986	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000077	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000670	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000050	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000594	µg/m <sup>3</sup>	V0
Iron	0.001585	0.041920	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000030	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000478	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000100	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.028484	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001127	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000087	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000025	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000287	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000038	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000075	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.093460	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.031998	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000090	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000206	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.085299	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000013	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.018995	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000271	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000128	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.003047	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000076	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000484	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211004423
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.1	°C	
Pressure		702.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.024827	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000111	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000217	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000042	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000016	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.040077	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000025	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000008	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001020	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000050	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000288	µg/m <sup>3</sup>	V0
Iron	0.001585	0.024648	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000247	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000062	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.011969	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000678	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000161	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000392	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000377	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000191	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.080152	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000028	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.013135	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000046	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000217	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.055319	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000056	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.006162	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000089	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002027	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000053	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000017	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001127	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000970	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000008	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211004431
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.7	°C	
Pressure		719.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.049095	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000071	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000353	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000005	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.086872	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000036	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000286	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000032	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000143	µg/m <sup>3</sup>	V0
Iron	0.001585	0.026331	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000459	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000077	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.017618	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000916	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000060	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000017	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000141	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000032	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.068735	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000031	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.016370	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000061	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000199	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.075407	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.011956	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000186	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000139	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.001711	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000043	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000254	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	211004434
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.8	°C	
Pressure		723.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.051922	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000104	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000507	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.079380	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000039	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000352	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000035	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001108	µg/m <sup>3</sup>	V0
Iron	0.001585	0.023297	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000023	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000558	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000086	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.018661	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000783	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000053	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000020	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000149	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000046	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.073748	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000027	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.027366	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000082	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000189	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.137412	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.012593	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000179	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000186	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.002221	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000055	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000937	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211004438
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.0	°C	
Pressure		721.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	-8888	µg/m <sup>3</sup>	V1
Cobalt	0.000005	-8888	µg/m <sup>3</sup>	V1
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	-8888	µg/m <sup>3</sup>	V1
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	-8888	µg/m <sup>3</sup>	V1
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	-8888	µg/m <sup>3</sup>	V1
Niobium	0.000006	-8888	µg/m <sup>3</sup>	V1
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000033	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	-8888	µg/m <sup>3</sup>	V1
Tungsten	0.000005	0.000012	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211004451
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.0	°C	
Pressure		696.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.057863	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000062	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000695	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000019	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.066804	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000046	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000538	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000037	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000170	µg/m <sup>3</sup>	V0
Iron	0.001585	0.026822	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000033	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000382	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000083	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.022279	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000933	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000038	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000166	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000031	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.069287	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.024568	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000078	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	0.000215	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.059356	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.014081	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000202	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000155	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.002140	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000077	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.000595	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211004494
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.3	°C	
Pressure		705.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.065584	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000081	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000963	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000019	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.091168	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000059	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000419	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000043	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000468	µg/m <sup>3</sup>	V0
Iron	0.001585	0.033962	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000036	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000461	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000105	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.031826	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001092	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000044	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000028	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000112	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000029	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000051	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.072719	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000021	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.035228	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000097	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000320	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.035608	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.020559	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000281	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000098	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.002549	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000073	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.001110	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 211004620
Start Date:	2021-10-26 12:40	End Date:	2021-10-26 12:41	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.004625	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.014206	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000387	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000016	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000211	µg/m <sup>3</sup>	V0
Iron	0.001585	0.002699	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000043	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.000960	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000058	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000028	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000133	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000024	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.075384	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.003160	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000097	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000402	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000042	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 211004650
Start Date:	2021-10-27 14:35	End Date:	2021-10-27 14:36	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010317	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000006	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.025472	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000659	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000024	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000066	µg/m <sup>3</sup>	V0
Iron	0.001585	0.005111	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000019	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000038	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.000670	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000110	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000042	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000397	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000062	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000061	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.078253	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000032	µg/m <sup>3</sup>	V0
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.026793	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000011	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	0.000041	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000250	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.000749	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000073	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211004627
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.3	°C	
Pressure		726.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.068965	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000031	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001007	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.062288	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000079	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000555	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000051	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000088	µg/m <sup>3</sup>	V0
Iron	0.001585	0.046721	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000038	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000084	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000097	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.026036	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001140	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000040	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000037	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000169	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000030	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000051	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.058924	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.016068	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000088	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.099501	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.015583	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000222	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000098	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.002937	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000059	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211004632
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.4	°C	
Pressure		717.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.331715	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000082	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.004396	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000009	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000023	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.520061	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000457	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000012	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001218	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000213	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000975	µg/m <sup>3</sup>	V0
Iron	0.001585	0.382286	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000209	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000332	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000342	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.169831	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.007217	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000123	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000206	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000675	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000051	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000065	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.063792	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.111563	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000056	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000481	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000038	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000011	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.100814	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001635	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000048	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000083	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.012763	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000129	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000017	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000715	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001141	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211004644
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.6	°C	
Pressure		740.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	13.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.877578	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000034	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.006274	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000032	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000016	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.425442	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000688	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000058	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001620	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000400	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000798	µg/m <sup>3</sup>	V0
Iron	0.001585	0.370961	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000304	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000398	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.001040	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.158536	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.005324	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000180	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000314	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000582	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000100	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000077	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.069275	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000020	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.220674	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000081	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.001086	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000068	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.313996	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000012	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.113691	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002621	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000068	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000130	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.028851	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000093	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000036	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002103	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001866	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	211004647
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.9	°C	
Pressure		744.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.266592	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000026	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001943	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.192076	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000204	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000014	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000729	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000135	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000238	µg/m <sup>3</sup>	V0
Iron	0.001585	0.126152	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000093	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000164	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000344	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.059572	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002030	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000117	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000104	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000212	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000062	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.075082	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000028	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.065901	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000025	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000335	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000021	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.499851	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.041920	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000878	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000138	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000041	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.008927	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000093	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000011	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000146	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001120	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211004654
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.4	°C	
Pressure		743.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	15.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.578402	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000104	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000533	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004383	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000021	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000019	µg/m <sup>3</sup>	V0
Calcium	0.013042	1.371163	µg/m <sup>3</sup>	V4
Cerium	0.000013	0.000490	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000035	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000828	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000298	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000464	µg/m <sup>3</sup>	V0
Iron	0.001585	0.272766	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000225	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000317	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000675	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.122412	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004985	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000159	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000247	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000408	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000102	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000075	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.085336	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000030	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.172167	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000061	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000781	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000049	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.605473	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000014	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.067433	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.002882	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000181	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000094	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.018860	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000125	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000026	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001208	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001997	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211004706
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

### Notes

Power outage resulted in short sampling duration and low sample volume.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.7	°C	
Pressure		723.8	mmHg	
Sample Volume		23.9	m <sup>3</sup>	V6
Particulate Matter	0.042	3.180	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.077105	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000041	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.001296	µg/m <sup>3</sup>	V4
Barium	0.000054	0.001310	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000030	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.107248	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000090	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000890	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000067	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000261	µg/m <sup>3</sup>	V0
Iron	0.001585	0.059340	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000042	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000159	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000109	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.038369	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001403	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000050	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000042	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000353	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000060	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.075727	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000039	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.030585	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000113	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000008	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.195903	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.025320	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000325	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000246	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	0.003067	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000083	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.001158	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211004715
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

### Notes

Raining during sample collection.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.6	°C	
Pressure		745.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.291709	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000956	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000165	µg/m <sup>3</sup>	V0
Barium	0.000054	0.011119	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000055	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000033	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.568172	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000385	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000012	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001390	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000321	µg/m <sup>3</sup>	V0
Copper	0.000027	0.003678	µg/m <sup>3</sup>	V0
Iron	0.001585	0.327696	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000161	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000558	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000309	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.128220	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.005410	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000281	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000171	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000622	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000084	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000115	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.074943	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000036	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.088310	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000043	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000393	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000031	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.683890	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000023	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.063033	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001801	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000247	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000062	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000583	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.015056	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000641	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000017	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000355	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.012009	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211004721
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.4	°C	
Pressure		735.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.100497	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000329	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.003948	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000360	µg/m <sup>3</sup>	V4
Cadmium	0.000011	0.000016	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.160719	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000130	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000820	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000136	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001784	µg/m <sup>3</sup>	V0
Iron	0.001585	0.104356	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000059	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000159	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000153	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.054983	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001877	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000099	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000058	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000348	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000088	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000089	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.065654	µg/m <sup>3</sup>	V0
Platinum	0.000004	0.000034	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.048170	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000138	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000011	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.308696	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000020	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.031575	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000617	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000286	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000020	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000078	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005097	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000371	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.003012	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211104808
Start Date:	2021-11-05 13:25	End Date:	2021-11-05 13:26	Duration:	0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.005593	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000484	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000009	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000260	µg/m <sup>3</sup>	V0
Iron	0.001585	0.003850	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000428	µg/m <sup>3</sup>	V4
Lithium	0.000016	0.000041	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.000810	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000062	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000064	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000041	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000188	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000019	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000243	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000043	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211104746
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.5	°C	
Pressure		709.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.036365	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000099	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000080	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001538	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000075	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.043471	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000048	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001733	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000062	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000486	µg/m <sup>3</sup>	V0
Iron	0.001585	0.042177	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000031	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000175	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000082	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.013426	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000987	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000097	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000021	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000747	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000061	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.041653	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000089	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.100434	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.019075	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000161	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000278	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000065	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002064	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000090	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000217	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003527	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211104754
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.3	°C	
Pressure		700.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.038957	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000077	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000050	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002219	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000055	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.074306	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000052	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000783	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000053	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000231	µg/m <sup>3</sup>	V0
Iron	0.001585	0.085340	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000030	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000113	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000091	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.020609	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001393	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000056	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000317	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000059	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.035365	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000095	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.203457	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.018512	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000244	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000295	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000035	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002491	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000086	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000145	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001832	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211104778
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.1	°C	
Pressure		726.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.018532	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000040	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000044	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000852	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000038	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.037482	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000021	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000999	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000046	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000423	µg/m <sup>3</sup>	V0
Iron	0.001585	0.022977	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000010	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000128	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000078	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005386	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000556	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000080	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000472	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000054	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.037302	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000057	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.054839	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.008293	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000087	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000291	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000042	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001083	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000075	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000029	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001997	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Ells River	Loc ID:	ELSR
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00
		Set Index:	1
		WBEA ID:	211104789
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.2	°C	
Pressure		723.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.011427	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000030	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000040	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000128	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000043	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.018988	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000413	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000021	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000289	µg/m <sup>3</sup>	V0
Iron	0.001585	0.007551	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000092	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000063	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.003023	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000195	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000169	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000078	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000134	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.021835	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000037	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.052957	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.004890	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000027	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000828	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000031	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003613	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000089	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.001051	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	211104792
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.8	°C	
Pressure		727.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.025168	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000052	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000070	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000630	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000045	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.036338	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000022	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000907	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000032	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000206	µg/m <sup>3</sup>	V0
Iron	0.001585	0.023355	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000011	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000102	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000091	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.006999	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000502	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000125	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000125	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000065	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.030060	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000061	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.078751	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000012	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.008982	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000092	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000294	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000052	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001301	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000067	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000080	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001148	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211104795
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

### Notes

Low sample volume due to power blip on sample day.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.7	°C	
Pressure		706.7	mmHg	
Sample Volume		21.2	m <sup>3</sup>	V6
Particulate Matter	0.042	8.774	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.011032	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000281	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000238	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000310	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000079	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000275	µg/m <sup>3</sup>	V4
Calcium	0.013042	0.034912	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000025	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000023	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001583	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000052	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000803	µg/m <sup>3</sup>	V0
Iron	0.001585	0.014255	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000017	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000429	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000137	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005038	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000868	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000338	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000705	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000404	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000340	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.078095	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000138	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000011	µg/m <sup>3</sup>	V0
Selenium	0.000133	0.000226	µg/m <sup>3</sup>	V0
Silicon	0.010200	0.024218	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000095	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.014363	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000072	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.004680	µg/m <sup>3</sup>	V4
Thallium	0.000005	0.000258	µg/m <sup>3</sup>	V4
Thorium	0.000002	0.000027	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000113	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001363	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001605	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000013	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000540	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005217	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00
		Set Index:	1
		WBEA ID:	211104805
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.8	°C	
Pressure		728.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.065741	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000528	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000645	µg/m <sup>3</sup>	V0
Barium	0.000054	0.006861	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000024	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000030	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.192820	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000111	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000982	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000094	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001799	µg/m <sup>3</sup>	V0
Iron	0.001585	0.108682	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000045	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000197	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000131	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.038305	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001963	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000157	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000045	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000345	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000052	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.046559	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000145	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000009	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.245580	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.039000	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000615	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000219	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000439	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005287	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000157	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000008	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000470	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003053	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Patricia McInnes	Loc ID:	PATM
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00
		Set Index:	1
		WBEA ID:	211104812
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.0	°C	
Pressure		718.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006981	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000089	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000050	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000612	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000013	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000025	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.023796	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000672	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000028	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000143	µg/m <sup>3</sup>	V0
Iron	0.001585	0.009194	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000005	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000041	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000071	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.002480	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000142	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000118	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000182	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000132	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000103	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.012598	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000031	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.024277	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000035	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.002494	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000025	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000461	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000057	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000071	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000875	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000198	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000115	µg/m <sup>3</sup>	V0
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 211104834
Start Date:	2021-11-09 08:41	End Date:	2021-11-09 08:42	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.002915	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.014649	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000918	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000018	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000164	µg/m <sup>3</sup>	V0
Iron	0.001585	0.006723	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000050	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.000300	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000103	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000047	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000283	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000056	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000305	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000022	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000615	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000073	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211104823
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.6	°C	
Pressure		714.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.027558	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000037	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000093	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000441	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000041	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.039575	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000025	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000638	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000022	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000117	µg/m <sup>3</sup>	V0
Iron	0.001585	0.024440	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000014	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000136	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000072	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.012356	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000618	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000053	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000099	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000039	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.038038	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000083	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.078229	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.025226	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000116	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000182	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000047	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001195	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000062	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000063	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002020	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211104829
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.0	°C	
Pressure		726.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.045519	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000120	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000088	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001237	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000037	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.076413	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000061	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000368	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000038	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000644	µg/m <sup>3</sup>	V0
Iron	0.001585	0.034811	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000024	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000160	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000082	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.017852	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000808	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000057	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000022	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000144	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000027	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.061276	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000099	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.060577	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.043719	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000243	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000091	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000131	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002402	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000053	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000100	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002053	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00
		Set Index:	1
		WBEA ID:	211104838
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.8	°C	
Pressure		735.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.023157	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000126	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000083	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000564	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000040	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000017	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.041839	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000026	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000005	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000408	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000032	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000264	µg/m <sup>3</sup>	V0
Iron	0.001585	0.020277	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000073	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000079	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.008990	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000437	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000090	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000213	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000437	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000085	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.020947	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000054	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.140107	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000043	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.017523	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000088	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002634	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000040	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000079	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001322	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001202	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000048	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001252	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Ells River	Loc ID:	ELSR
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00
		Set Index:	1
		WBEA ID:	211104842
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.1	°C	
Pressure		730.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.124092	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000051	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000056	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001334	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000052	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.144941	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000134	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000010	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000783	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000106	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001592	µg/m <sup>3</sup>	V0
Iron	0.001585	0.064693	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000063	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000277	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000213	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.026881	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001362	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000116	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000062	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000485	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000059	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.068485	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000238	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000012	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.363721	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.037856	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000448	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000266	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000066	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005475	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000076	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001464	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003918	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Fort McKay South	Loc ID:	FMCS
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00
		Set Index:	1
		WBEA ID:	211104845
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.3	°C	
Pressure		734.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.348855	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000054	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000090	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003211	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000015	µg/m <sup>3</sup>	V0
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000046	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.332930	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000366	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000027	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000822	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000201	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000371	µg/m <sup>3</sup>	V0
Iron	0.001585	0.166943	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000168	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000312	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000490	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.063206	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003222	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000190	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000178	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000786	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000076	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.121780	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000043	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000593	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000035	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.817635	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.050100	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001171	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000286	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000059	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000059	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.012994	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000081	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000016	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.003829	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003231	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211104858
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.2	°C	
Pressure		733.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	10.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.261059	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000094	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000115	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002544	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000020	µg/m <sup>3</sup>	V0
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000049	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.294642	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000275	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000020	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001068	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000158	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001318	µg/m <sup>3</sup>	V0
Iron	0.001585	0.140715	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000125	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000302	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000383	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.054998	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002591	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000263	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000133	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000756	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000153	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.107583	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000032	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000434	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000024	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.845330	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000015	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.043715	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000932	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000389	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000041	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000065	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.010405	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000139	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000013	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002784	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003867	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211104872
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.3	°C	
Pressure		708.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.045166	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000075	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000075	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000755	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000070	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.065165	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000048	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000675	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000042	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000566	µg/m <sup>3</sup>	V0
Iron	0.001585	0.035734	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000026	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000223	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000090	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.022274	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000952	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000135	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000022	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000283	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000094	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.053431	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000103	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.073733	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000022	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.033793	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000205	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000234	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000059	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003859	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000155	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000112	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001713	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211104878
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

### Notes

Short sampling duration and low sample volume due to bad pump.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.3	°C	
Pressure		722.8	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Particulate Matter	0.042	-9999	µg/m <sup>3</sup>	M2
Aluminum	0.002800	-9999	µg/m <sup>3</sup>	M2
Antimony	0.000016	-9999	µg/m <sup>3</sup>	M2
Arsenic	0.000005	-9999	µg/m <sup>3</sup>	M2
Barium	0.000054	-9999	µg/m <sup>3</sup>	M2
Beryllium	0.000013	-9999	µg/m <sup>3</sup>	M2
Bismuth	0.000004	-9999	µg/m <sup>3</sup>	M2
Cadmium	0.000011	-9999	µg/m <sup>3</sup>	M2
Calcium	0.013042	-9999	µg/m <sup>3</sup>	M2
Cerium	0.000013	-9999	µg/m <sup>3</sup>	M2
Cesium	0.000004	-9999	µg/m <sup>3</sup>	M2
Chromium	0.000045	-9999	µg/m <sup>3</sup>	M2
Cobalt	0.000005	-9999	µg/m <sup>3</sup>	M2
Copper	0.000027	-9999	µg/m <sup>3</sup>	M2
Iron	0.001585	-9999	µg/m <sup>3</sup>	M2
Lanthanum	0.000004	-9999	µg/m <sup>3</sup>	M2
Lead	0.000018	-9999	µg/m <sup>3</sup>	M2
Lithium	0.000016	-9999	µg/m <sup>3</sup>	M2
Magnesium	0.000279	-9999	µg/m <sup>3</sup>	M2
Manganese	0.000028	-9999	µg/m <sup>3</sup>	M2
Molybdenum	0.000025	-9999	µg/m <sup>3</sup>	M2
Neodymium	0.000005	-9999	µg/m <sup>3</sup>	M2
Nickel	0.000015	-9999	µg/m <sup>3</sup>	M2
Niobium	0.000006	-9999	µg/m <sup>3</sup>	M2
Palladium	0.000050	-9999	µg/m <sup>3</sup>	M2
Phosphorus	0.003480	-9999	µg/m <sup>3</sup>	M2
Platinum	0.000004	-9999	µg/m <sup>3</sup>	M2
Potassium	0.000402	-9999	µg/m <sup>3</sup>	M2
Praseodymium	0.000002	-9999	µg/m <sup>3</sup>	M2
Rubidium	0.000003	-9999	µg/m <sup>3</sup>	M2
Samarium	0.000006	-9999	µg/m <sup>3</sup>	M2
Selenium	0.000133	-9999	µg/m <sup>3</sup>	M2
Silicon	0.010200	-9999	µg/m <sup>3</sup>	M2
Silver	0.000006	-9999	µg/m <sup>3</sup>	M2
Sodium	0.000777	-9999	µg/m <sup>3</sup>	M2
Strontium	0.000012	-9999	µg/m <sup>3</sup>	M2
Tantalum	0.000003	-9999	µg/m <sup>3</sup>	M2
Thallium	0.000005	-9999	µg/m <sup>3</sup>	M2
Thorium	0.000002	-9999	µg/m <sup>3</sup>	M2
Tin	0.000008	-9999	µg/m <sup>3</sup>	M2
Titanium	0.000031	-9999	µg/m <sup>3</sup>	M2
Tungsten	0.000005	-9999	µg/m <sup>3</sup>	M2
Uranium	0.000003	-9999	µg/m <sup>3</sup>	M2
Vanadium	0.000018	-9999	µg/m <sup>3</sup>	M2
Zinc	0.000149	-9999	µg/m <sup>3</sup>	M2





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211104890
Start Date:	2021-11-15 10:47	End Date:	2021-11-15 10:48	Duration:	0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.005707	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000017	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000006	µg/m <sup>3</sup>	V0
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.020801	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000573	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000017	µg/m <sup>3</sup>	V0
Copper	0.000027	0.002208	µg/m <sup>3</sup>	V0
Iron	0.001585	0.004180	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000170	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000066	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.000678	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000095	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000044	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000111	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000045	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000014	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000220	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000019	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000036	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000615	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000087	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211104888
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.7	°C	
Pressure		710.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.043764	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000139	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000300	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001146	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000118	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.056292	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000041	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000858	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000054	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000886	µg/m <sup>3</sup>	V0
Iron	0.001585	0.028559	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000246	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000563	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000088	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.011316	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000820	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000145	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000019	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000294	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000066	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.061029	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000118	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.098033	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000019	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.030948	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000253	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000264	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000076	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001971	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000118	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000421	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003806	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211104898
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.0	°C	
Pressure		732.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.043433	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000914	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000351	µg/m <sup>3</sup>	V0
Barium	0.000054	0.007586	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000040	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000136	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.092957	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000127	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000006	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001078	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000092	µg/m <sup>3</sup>	V0
Copper	0.000027	0.002997	µg/m <sup>3</sup>	V0
Iron	0.001585	0.096328	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000332	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000699	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000126	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.018583	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001442	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000328	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000028	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000566	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000098	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000114	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.068333	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000010	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000119	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.083349	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000032	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.137228	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000481	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000407	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000033	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000634	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.004820	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000224	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000005	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000494	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005581	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211104905
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.5	°C	
Pressure		722.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.030602	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000531	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000303	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002631	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000015	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000132	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.063621	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000058	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000624	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000075	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001197	µg/m <sup>3</sup>	V0
Iron	0.001585	0.044876	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000204	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000544	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000086	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.010682	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001118	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000254	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000354	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000074	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.067276	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000005	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000118	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.069479	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000018	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.053847	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000240	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000319	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000265	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002764	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000133	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000320	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005289	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211104912
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-7.4	°C	
Pressure		727.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.025802	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000079	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000064	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000403	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000074	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.027573	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000024	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000742	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000038	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000160	µg/m <sup>3</sup>	V0
Iron	0.001585	0.020516	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000038	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000200	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000081	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.005467	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000556	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000085	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000300	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000084	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.037215	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000090	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.087989	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000016	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.013904	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000097	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000310	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000046	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001220	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000141	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000486	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001366	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	211104915
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		731.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.064722	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000104	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000115	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000962	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000066	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.047250	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000071	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000007	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000804	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000076	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000645	µg/m <sup>3</sup>	V0
Iron	0.001585	0.059460	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000085	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000260	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000134	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.017148	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001296	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000202	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000033	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000466	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000104	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.048757	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000008	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000138	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000006	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.124031	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000025	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.018824	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000223	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000312	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000084	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003112	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000166	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000660	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003571	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211104924
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.2	°C	
Pressure		730.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.122417	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.001555	µg/m <sup>3</sup>	V4
Arsenic	0.000005	0.000149	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001734	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000011	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000098	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.171140	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000141	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000012	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000539	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000107	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000645	µg/m <sup>3</sup>	V0
Iron	0.001585	0.062415	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000120	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000389	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000211	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.036916	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001551	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000255	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000063	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000336	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000068	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.081933	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000015	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000254	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000012	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.296502	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000014	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.031880	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000575	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000157	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000005	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000016	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000147	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.006321	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000098	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000006	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001320	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004472	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211104931
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.0	°C	
Pressure		710.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.917	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.026790	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000098	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000280	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000839	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000084	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.061987	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000029	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000523	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000046	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000203	µg/m <sup>3</sup>	V0
Iron	0.001585	0.018103	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000160	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000513	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000074	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.009910	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000517	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000078	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000216	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000040	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.042135	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000075	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.059397	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.042317	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000162	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000105	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000073	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001711	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000065	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000198	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001387	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211104961
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.6	°C	
Pressure		705.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.033313	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000080	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000247	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000585	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000083	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.047892	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000026	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000527	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000028	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000395	µg/m <sup>3</sup>	V0
Iron	0.001585	0.015686	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000119	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000413	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000064	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.012533	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000409	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000059	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000165	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000036	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	0.000019	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.047381	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000085	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.093286	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.012525	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000119	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000125	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000072	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001527	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000068	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000145	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003173	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 211105020
Start Date:	2021-11-23 16:35	End Date:	2021-11-23 16:36	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000654	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000016	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000227	µg/m <sup>3</sup>	V0
Iron	0.001585	0.005498	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000042	µg/m <sup>3</sup>	V0
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000103	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000037	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000167	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000043	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000167	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000019	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000319	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000064	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211104967
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		744.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.027384	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000183	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000157	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001923	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000019	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.068111	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000054	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000390	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000039	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000807	µg/m <sup>3</sup>	V0
Iron	0.001585	0.042209	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000043	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000104	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000083	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.029390	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000833	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000092	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000015	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000204	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000055	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.017857	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000049	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.071566	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000012	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.175602	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000282	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000217	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000141	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001652	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000129	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000123	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001495	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Patricia McInnes	Loc ID:	PATM
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00
		Set Index:	1
		WBEA ID:	211104974
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		732.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.026217	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000266	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000182	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001246	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000014	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000081	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000031	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.058604	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000046	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000023	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000776	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000055	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000766	µg/m <sup>3</sup>	V0
Iron	0.001585	0.023167	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000048	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000110	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000119	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.026649	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000584	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000252	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000024	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000454	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000343	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000329	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	0.000009	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.036589	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000014	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000090	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000015	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.150158	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000085	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.137312	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000249	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.003308	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000225	µg/m <sup>3</sup>	V4
Thorium	0.000002	0.000030	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000145	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001562	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001156	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000014	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000184	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001686	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211104986
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		738.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.708	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.162702	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000130	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000063	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002103	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.182731	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000177	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000009	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001584	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000113	µg/m <sup>3</sup>	V0
Copper	0.000027	0.019168	µg/m <sup>3</sup>	V4
Iron	0.001585	0.133722	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000083	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000543	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000265	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.069317	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002191	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.001023	µg/m <sup>3</sup>	V4
Neodymium	0.000005	0.000083	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000966	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000085	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.043379	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000022	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000192	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000017	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.353234	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.217529	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000762	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000397	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000030	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000138	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005962	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000125	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000011	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000724	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.111959	µg/m <sup>3</sup>	V4



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	211104990
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		742.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.208	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.187235	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000169	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000173	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002478	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000020	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000049	µg/m <sup>3</sup>	V0
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.282643	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000237	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000027	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001391	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000161	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000624	µg/m <sup>3</sup>	V0
Iron	0.001585	0.154617	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000110	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000175	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000330	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.066636	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003084	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000327	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000148	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000870	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000458	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000168	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Potassium	0.000402	0.066528	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000045	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000342	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000052	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.522855	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000064	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.163136	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000977	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002049	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000075	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000054	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000092	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.009010	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001293	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000024	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002460	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000327	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211104995
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-20.0	°C	
Pressure		741.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	14.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.292305	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000432	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000315	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003674	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000035	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000060	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000015	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.499620	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000380	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000036	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001219	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000242	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000893	µg/m <sup>3</sup>	V0
Iron	0.001585	0.224276	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000172	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000280	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000486	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.094203	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004374	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000432	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000173	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001074	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000465	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000135	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.104639	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000048	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000530	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000039	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.633267	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000061	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.243051	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001576	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001913	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000058	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000089	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000114	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.014078	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001239	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000044	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.004211	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001145	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211105007
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		718.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.030365	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000105	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000077	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000677	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000007	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000048	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.063535	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000038	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000004	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000689	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000093	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000640	µg/m <sup>3</sup>	V0
Iron	0.001585	0.028258	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000096	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000201	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000102	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.031272	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000702	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000103	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000018	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000447	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000147	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.035800	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000069	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.065053	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000028	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.177559	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000279	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000329	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000055	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001454	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000246	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000317	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000819	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211105022
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		713.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.018911	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000059	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000060	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000500	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000032	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.034154	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000022	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000716	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000043	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000164	µg/m <sup>3</sup>	V0
Iron	0.001585	0.025644	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000051	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000140	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000062	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.017805	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000595	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000070	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000310	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000037	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.027968	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000062	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.051170	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.138019	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000156	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000170	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000039	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001424	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000087	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000172	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.000234	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211105031
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		719.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.125	µg/m <sup>3</sup>	V0
Aluminum	0.002800	-8888	µg/m <sup>3</sup>	V1
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	-8888	µg/m <sup>3</sup>	V1
Cobalt	0.000005	-8888	µg/m <sup>3</sup>	V1
Copper	0.000027	-8888	µg/m <sup>3</sup>	V1
Iron	0.001585	-8888	µg/m <sup>3</sup>	V1
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	-8888	µg/m <sup>3</sup>	V1
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	-8888	µg/m <sup>3</sup>	V1
Niobium	0.000006	-8888	µg/m <sup>3</sup>	V1
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000040	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	-8888	µg/m <sup>3</sup>	V1
Titanium	0.000031	-8888	µg/m <sup>3</sup>	V1
Tungsten	0.000005	0.000014	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211105080
Start Date:	2021-11-26 13:16	End Date:	2021-11-26 13:17	Duration:	0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.003069	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	-8888	µg/m <sup>3</sup>	V1
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.013855	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000399	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000014	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000029	µg/m <sup>3</sup>	V0
Iron	0.001585	0.003381	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	0.000055	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.000438	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000044	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000070	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000116	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000075	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000012	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.002162	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000269	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000017	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000852	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000106	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211105037
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.0	°C	
Pressure		717.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.049367	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000134	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000049	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001598	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000024	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.079167	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000060	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000680	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000050	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000525	µg/m <sup>3</sup>	V0
Iron	0.001585	0.046138	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000035	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000144	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000077	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.018838	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001114	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000128	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000022	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000244	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000049	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.028144	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000092	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.134595	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.062093	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000258	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000221	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000108	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002202	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000084	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000637	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001699	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00
		Set Index:	1
		WBEA ID:	211105044
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.5	°C	
Pressure		728.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.061364	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000365	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000071	µg/m <sup>3</sup>	V0
Barium	0.000054	0.005545	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000033	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.173784	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000094	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000007	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001064	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000088	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001363	µg/m <sup>3</sup>	V0
Iron	0.001585	0.093446	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000045	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000258	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000113	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.030154	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002927	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000219	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000037	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000242	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000054	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.092802	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000297	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.141111	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000012	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.287451	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000800	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000184	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000337	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003864	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000156	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000534	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.006167	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211105047
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.6	°C	
Pressure		706.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.090029	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000064	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000047	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000382	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000056	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.038574	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000020	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000539	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000026	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000156	µg/m <sup>3</sup>	V0
Iron	0.001585	0.015173	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000032	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000152	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000077	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.008209	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000461	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000097	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000447	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000114	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.032294	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000064	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.043250	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000018	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.048894	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000107	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000300	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000041	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001832	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000141	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000067	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001377	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211105055
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-7.8	°C	
Pressure		723.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	19.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.348964	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000089	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000106	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003889	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000019	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000011	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000016	µg/m <sup>3</sup>	V0
Calcium	0.013042	1.891404	µg/m <sup>3</sup>	V4
Cerium	0.000013	0.000503	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000037	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001438	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000296	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000748	µg/m <sup>3</sup>	V0
Iron	0.001585	0.410772	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000237	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000277	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000591	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.123729	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.007868	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000498	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000233	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001223	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000220	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000074	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.139526	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000060	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000715	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000046	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.482809	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000035	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.106665	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.003401	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000475	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000022	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000071	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000082	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.018037	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000342	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000023	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.005567	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004540	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211105061
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.5	°C	
Pressure		726.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	20.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.408806	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000171	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000197	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004696	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000014	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000010	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000137	µg/m <sup>3</sup>	V0
Calcium	0.013042	2.193783	µg/m <sup>3</sup>	V4
Cerium	0.000013	0.000566	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000036	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001734	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000308	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001161	µg/m <sup>3</sup>	V0
Iron	0.001585	0.420794	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000257	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000704	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000583	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.138588	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.009003	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000452	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000253	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.001223	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000101	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.154110	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000064	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000758	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000050	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.441080	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.109807	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.003814	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000224	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000077	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000433	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.018537	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000148	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000021	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.005114	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004680	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	211105071
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.4	°C	
Pressure		727.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.542	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.210277	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000077	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000085	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002298	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000011	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000027	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.916894	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000280	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000025	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000783	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000159	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000835	µg/m <sup>3</sup>	V0
Iron	0.001585	0.208533	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000131	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000220	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000344	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.079588	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004307	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000294	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000134	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000680	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000110	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000111	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.077530	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000036	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000372	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000029	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.151755	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000036	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.069269	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001639	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000301	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000060	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000045	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000094	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.008692	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000247	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000014	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.002535	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002689	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211105074
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.4	°C	
Pressure		699.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.017403	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000102	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000075	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000610	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000038	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.029728	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000017	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000992	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000037	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001621	µg/m <sup>3</sup>	V0
Iron	0.001585	0.020524	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000051	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000326	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000049	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.006275	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000678	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000086	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000340	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000051	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.023937	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000053	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.028943	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.022460	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000127	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000184	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000055	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001809	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000114	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000061	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001340	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211105084
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.9	°C	
Pressure		709.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.013953	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000094	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000036	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000687	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000050	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.027073	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000016	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000451	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000027	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000312	µg/m <sup>3</sup>	V0
Iron	0.001585	0.013436	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000034	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000165	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000054	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.006423	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000351	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000052	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000258	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000039	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	-8888	µg/m <sup>3</sup>	V1
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.022892	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000051	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.012156	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.032991	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000088	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000144	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000049	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001177	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000091	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000026	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.001337	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 211205146
Start Date:	2021-12-03 15:45	End Date:	2021-12-03 15:46	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.007905	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000074	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000100	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000121	µg/m <sup>3</sup>	V0
Beryllium	0.000013	0.000025	µg/m <sup>3</sup>	V0
Bismuth	0.000004	0.000061	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	0.000017	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000016	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000494	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000084	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000438	µg/m <sup>3</sup>	V0
Iron	0.001585	0.009913	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000015	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000051	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.001577	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000219	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000168	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000227	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000279	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000208	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.073955	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	0.000014	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000026	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000013	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000067	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.001695	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.003091	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000181	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000028	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000044	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000489	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001675	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000025	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000036	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002651	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205099
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		713.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.875	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.019018	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000035	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000472	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000018	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.029451	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000016	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001043	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000096	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000336	µg/m <sup>3</sup>	V0
Iron	0.001585	0.032031	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000130	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.007995	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000616	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000059	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000523	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000099	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.070408	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000031	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.033480	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.047754	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000057	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000478	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000027	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000845	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000150	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000022	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.006391	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00
		Set Index:	1
		WBEA ID:	211205113
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		738.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.020426	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000165	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001612	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000021	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.029504	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000029	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000506	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000039	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000993	µg/m <sup>3</sup>	V0
Iron	0.001585	0.030900	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000008	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000148	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.013274	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000557	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000148	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000205	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000070	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.066621	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000036	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000021	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.057605	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000127	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000248	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000145	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001276	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000236	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000036	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.007112	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211205118
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		726.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.030916	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000395	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000046	µg/m <sup>3</sup>	V0
Barium	0.000054	0.004447	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000014	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000035	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.039793	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000069	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000510	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000048	µg/m <sup>3</sup>	V0
Copper	0.000027	0.002048	µg/m <sup>3</sup>	V0
Iron	0.001585	0.070534	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000018	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000307	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.018664	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001156	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000188	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000247	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000059	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.073588	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.013632	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000077	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.052740	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000010	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.069054	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000217	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000387	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000342	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002553	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000127	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000142	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.008059	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211205124
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		709.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.025699	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000048	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000016	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000861	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000058	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.043103	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000015	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000657	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000033	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000749	µg/m <sup>3</sup>	V0
Iron	0.001585	0.020256	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000323	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.014650	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000979	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000044	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000287	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000070	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.070415	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.049859	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000173	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.048630	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.066364	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000208	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000451	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000026	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000962	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000117	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000040	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.007989	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205129
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		712.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.022481	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000032	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000554	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000016	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.026539	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000513	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000029	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000284	µg/m <sup>3</sup>	V0
Iron	0.001585	0.014045	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000004	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000151	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.012569	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000442	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000062	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000240	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000057	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.066529	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000045	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.047046	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.038087	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000110	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000403	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000021	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001517	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000080	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000029	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004602	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	211205136
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-27.0	°C	
Pressure		735.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.083897	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000055	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001246	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000022	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.084152	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000064	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000723	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000070	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000753	µg/m <sup>3</sup>	V0
Iron	0.001585	0.070329	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000027	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000148	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.025227	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002162	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000177	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000031	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000575	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000041	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.075868	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.025326	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000142	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.137934	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.074103	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000296	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000281	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000048	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003165	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000129	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.001401	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.009897	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211205138
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C	
Pressure		731.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.271502	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000081	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000087	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001830	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000022	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000022	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.081001	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000243	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000020	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000907	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000149	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001641	µg/m <sup>3</sup>	V0
Iron	0.001585	0.154804	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000111	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000271	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000424	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.050579	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003106	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000239	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000119	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000426	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000300	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000092	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.076436	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.054178	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000032	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000341	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000026	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.559285	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000043	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.059074	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000617	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001796	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000036	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000036	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000082	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.008848	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001626	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000003	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.000907	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.009111	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00
		Set Index:	1
		WBEA ID:	211205152
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		734.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.130226	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000132	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000054	µg/m <sup>3</sup>	V0
Barium	0.000054	0.002971	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000012	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000037	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.219046	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000167	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000010	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001816	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000170	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001380	µg/m <sup>3</sup>	V0
Iron	0.001585	0.129515	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000070	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000288	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000127	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.049837	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.005110	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000501	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000075	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.002310	µg/m <sup>3</sup>	V4
Niobium	0.000006	0.000126	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000059	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.075758	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.101354	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000018	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000369	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000013	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.156077	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000035	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.140661	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000792	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000623	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000033	µg/m <sup>3</sup>	V0
Thorium	0.000002	0.000014	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000156	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005863	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000423	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.006585	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.014538	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211205251
Start Date:	2021-12-10 11:00	End Date:	2021-12-10 11:01	Duration:	0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006502	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000033	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000120	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000483	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000022	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000261	µg/m <sup>3</sup>	V0
Iron	0.001585	0.004245	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000040	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.000980	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000067	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	-8888	µg/m <sup>3</sup>	V1
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000233	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000081	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.068945	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.001230	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000447	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000022	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000380	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000124	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.002682	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211205182
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		719.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.152314	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000022	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001289	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000021	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.063704	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000134	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000575	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000098	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000387	µg/m <sup>3</sup>	V0
Iron	0.001585	0.097132	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000058	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000136	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000138	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.051317	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001821	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000167	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000061	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000337	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000072	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.071342	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.028232	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000013	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000183	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000009	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.330716	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.088256	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000430	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000431	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000033	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.006428	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000180	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000626	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005988	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Fort McKay South	Loc ID:	FMCS
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00
		Set Index:	1
		WBEA ID:	211205186
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C	
Pressure		723.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.136185	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000024	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001402	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000021	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.122680	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000127	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000526	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000115	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000630	µg/m <sup>3</sup>	V0
Iron	0.001585	0.081935	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000052	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000130	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000097	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.040699	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001997	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000176	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000051	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000394	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000056	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.078018	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.026257	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000159	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.241210	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.067650	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000431	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000359	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000028	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.006757	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000112	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000367	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005346	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211205221
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C	
Pressure		696.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.020754	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000043	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000578	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000055	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.037233	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000604	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000029	µg/m <sup>3</sup>	V0
Copper	0.000027	0.003728	µg/m <sup>3</sup>	V0
Iron	0.001585	0.015792	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000103	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.012252	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000479	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000087	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000303	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000043	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.066851	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.025894	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000092	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.010350	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.052590	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000078	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000290	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000044	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001653	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000077	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000069	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.054464	µg/m <sup>3</sup>	V4





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205227
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		699.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.017493	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000053	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000502	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000041	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.034989	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000494	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000031	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000500	µg/m <sup>3</sup>	V0
Iron	0.001585	0.014084	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000100	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.012889	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000441	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000089	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000209	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000046	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.070347	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.012375	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000058	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.022227	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.067166	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000094	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000288	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000041	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001764	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000081	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000098	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.008638	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205241
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

### Notes

Low sample volume due to failing pump.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		720.5	mmHg	
Sample Volume		23.6	m <sup>3</sup>	V6
Particulate Matter	0.042	6.695	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.097518	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000681	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.035062	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000078	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001043	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000068	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000932	µg/m <sup>3</sup>	V0
Iron	0.001585	0.054849	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000032	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000079	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000061	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.022154	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001155	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000058	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000033	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000474	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000030	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.049837	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.015286	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000145	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.160075	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.040271	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000220	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000107	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000035	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.006215	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000059	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000242	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005157	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211205257
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C	
Pressure		709.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.583	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.043418	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.022797	µg/m <sup>3</sup>	V4
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000800	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000031	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.052253	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000033	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000607	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000036	µg/m <sup>3</sup>	V0
Copper	0.000027	0.008497	µg/m <sup>3</sup>	V4
Iron	0.001585	0.026527	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000013	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000157	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.019027	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001132	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000100	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000014	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000262	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000029	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.067293	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.020507	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000078	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.032537	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.056766	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000159	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000173	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000097	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001450	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000064	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000490	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.011922	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205264
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.8	°C	
Pressure		701.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.417	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.016344	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000022	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000271	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000024	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.023949	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000884	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000028	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000731	µg/m <sup>3</sup>	V0
Iron	0.001585	0.018035	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000085	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.010169	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000497	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000068	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000324	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000037	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.066226	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.004479	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000037	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.013995	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.042156	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000053	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000245	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000098	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000763	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000073	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000114	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.006284	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211205270
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C	
Pressure		725.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.792	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.030105	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000188	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.002374	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000020	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.043097	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000022	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001279	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000054	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001513	µg/m <sup>3</sup>	V0
Iron	0.001585	0.037784	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000007	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000110	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.013396	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001246	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000119	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000428	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000063	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.069733	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.017646	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000083	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.044060	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.049825	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000208	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000365	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000195	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001613	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000136	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000265	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.006408	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211205326
Start Date:	2021-12-17 15:55	End Date:	2021-12-17 15:56	Duration:	0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.008005	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000093	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001351	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000022	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001512	µg/m <sup>3</sup>	V0
Iron	0.001585	0.011103	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000078	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	-8888	µg/m <sup>3</sup>	V1
Manganese	0.000028	0.000143	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000077	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000229	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000042	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.055832	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	-8888	µg/m <sup>3</sup>	V1
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000249	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000039	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001286	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000061	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.003364	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	211205274
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		731.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	9.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.108328	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000128	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000021	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001446	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000068	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.079266	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000093	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000500	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000150	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000916	µg/m <sup>3</sup>	V0
Iron	0.001585	0.082053	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000215	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000318	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000078	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.036194	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.002142	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000210	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000041	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000630	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000070	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.075014	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.068169	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000228	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.210879	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.086150	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000402	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000414	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000135	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.005738	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000170	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000731	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.009332	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211205278
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C	
Pressure		727.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	12.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.383857	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000111	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000050	µg/m <sup>3</sup>	V0
Barium	0.000054	0.003424	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000077	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.127717	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000343	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000019	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.000965	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000205	µg/m <sup>3</sup>	V0
Copper	0.000027	0.005920	µg/m <sup>3</sup>	V4
Iron	0.001585	0.238527	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000332	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000808	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000405	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.073646	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004299	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000284	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000163	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000592	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000106	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.086483	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.132054	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000041	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000512	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000029	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.688885	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000013	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.108616	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000948	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000494	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000043	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000098	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.013012	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000301	µg/m <sup>3</sup>	V0
Uranium	0.000003	0.000004	µg/m <sup>3</sup>	V0
Vanadium	0.000018	0.001283	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.015570	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205283
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-20.0	°C	
Pressure		711.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.061684	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000138	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000100	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000886	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000112	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.038185	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000106	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000991	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000042	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000866	µg/m <sup>3</sup>	V0
Iron	0.001585	0.050282	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000401	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000317	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.020926	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000900	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000088	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000133	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000447	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000029	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.050285	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.065295	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000031	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000151	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000018	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.044262	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.073302	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000163	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000118	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000116	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001395	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000099	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000195	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.013412	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211205292
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		707.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	11.167	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.032920	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000188	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000164	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000886	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000011	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000134	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.042440	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000023	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001485	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000057	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000519	µg/m <sup>3</sup>	V0
Iron	0.001585	0.028867	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000156	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000358	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.019682	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001032	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000121	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000009	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000658	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000225	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.061968	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.092923	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000205	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.024071	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000041	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.070775	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000170	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001392	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000092	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001117	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.001203	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000137	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.010788	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211205300
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		721.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.500	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.075522	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000127	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000005	µg/m <sup>3</sup>	V0
Barium	0.000054	0.001250	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000066	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.030765	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000032	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000751	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000053	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001511	µg/m <sup>3</sup>	V0
Iron	0.001585	0.045395	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000144	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000324	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.021732	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001157	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000174	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000010	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000281	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000094	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.060102	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.045304	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000133	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.147853	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000015	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.057670	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000225	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000356	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000122	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002971	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000221	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000278	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.010154	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205310
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

### Notes

Short sampling duration and low sample volume due to suspected bad pump.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		732.2	mmHg	
Sample Volume		23.1	m <sup>3</sup>	V6
Particulate Matter	0.042	9.004	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.094201	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000101	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001133	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000093	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.051344	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000100	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001435	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000273	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000732	µg/m <sup>3</sup>	V0
Iron	0.001585	0.057253	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000128	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000333	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000028	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.024820	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004850	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000119	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000038	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000747	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000033	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.054322	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.075738	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000007	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000221	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.060754	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000007	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.058176	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000264	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000093	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000114	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003096	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000119	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000512	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.010038	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205320
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		712.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	8.333	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.035482	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000227	µg/m <sup>3</sup>	V0
Arsenic	0.000005	0.000175	µg/m <sup>3</sup>	V0
Barium	0.000054	0.000839	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000026	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000114	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.038262	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000027	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000013	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.002372	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000126	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001490	µg/m <sup>3</sup>	V0
Iron	0.001585	0.030709	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000453	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000433	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.018437	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001025	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000262	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000016	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000997	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000265	µg/m <sup>3</sup>	V0
Palladium	0.000050	0.000066	µg/m <sup>3</sup>	V0
Phosphorus	0.003480	0.064216	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.058208	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000009	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000160	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000009	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.030966	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000063	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.075802	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000195	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.002764	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000077	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000125	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001248	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.002189	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000484	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.013491	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211205332
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-22.0	°C	
Pressure		736.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.038627	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000304	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.002996	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000019	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000050	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.047973	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000058	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001625	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000058	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001565	µg/m <sup>3</sup>	V0
Iron	0.001585	0.058978	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000140	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000204	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.019821	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001074	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000173	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000011	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000575	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000058	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.058239	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.039251	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000002	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000120	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.060638	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.082069	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000243	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000277	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000282	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002264	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000142	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000213	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.008104	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 211205350
Start Date:	2021-12-21 11:30	End Date:	2021-12-21 11:31	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.005497	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000027	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000070	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000564	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000020	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000660	µg/m <sup>3</sup>	V0
Iron	0.001585	0.006173	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000025	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.001128	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000113	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000029	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000252	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000065	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.067127	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.000923	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000368	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000081	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000445	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000105	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.002663	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211205339
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

### Notes

Sample dropped in snow before deployment. Filter did not make contact with snow.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		717.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.667	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.033745	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000086	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000348	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.023730	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000018	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000850	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000034	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000755	µg/m <sup>3</sup>	V0
Iron	0.001585	0.020440	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000094	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.010299	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000358	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000627	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000008	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000264	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000073	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.060910	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000013	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.051708	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.032451	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000077	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000345	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000044	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.013835	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000159	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000122	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003169	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211205343
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		733.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.833	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.049841	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000104	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001164	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.038747	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000033	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001305	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000052	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001369	µg/m <sup>3</sup>	V0
Iron	0.001585	0.044182	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000115	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.014647	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000867	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000098	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000013	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000683	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000070	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.066994	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000047	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.082440	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000104	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.045013	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000157	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000347	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000132	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002105	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000140	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000273	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004171	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205354
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-22.0	°C	
Pressure		708.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.750	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.026696	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000018	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000171	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.021804	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000870	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000028	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001453	µg/m <sup>3</sup>	V0
Iron	0.001585	0.013422	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000115	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.009251	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000284	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000060	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000332	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000080	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.064884	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000008	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.024681	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000009	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.033144	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000044	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000436	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000063	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000835	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000180	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000140	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004125	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211205363
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		702.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.017588	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000035	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000399	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.017434	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001239	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000048	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000558	µg/m <sup>3</sup>	V0
Iron	0.001585	0.014925	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000115	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.009979	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000221	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000074	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000322	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000114	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.076657	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000010	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.031392	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000017	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.029590	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000039	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000512	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000044	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000752	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000323	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000310	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005185	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205371
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		706.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	1.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.016442	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000049	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000237	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.020167	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000728	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000026	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001035	µg/m <sup>3</sup>	V0
Iron	0.001585	0.010997	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000108	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.010271	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000233	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000090	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000529	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000063	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.068324	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.031990	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.039045	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000046	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000375	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000076	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000672	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000097	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000456	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003903	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205379
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-28.0	°C	
Pressure		729.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.250	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.286205	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000047	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001931	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.072566	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000270	µg/m <sup>3</sup>	V0
Cesium	0.000004	0.000010	µg/m <sup>3</sup>	V0
Chromium	0.000045	0.001366	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000181	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000725	µg/m <sup>3</sup>	V0
Iron	0.001585	0.208066	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000119	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000194	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000284	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.051935	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.003414	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000153	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000122	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000671	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000058	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.062248	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.032512	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000030	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000304	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000021	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.320713	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.052293	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000564	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000213	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000028	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000088	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.008402	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000245	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000766	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005742	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211205390
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		724.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.173663	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001090	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.036263	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000168	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000825	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000115	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000684	µg/m <sup>3</sup>	V0
Iron	0.001585	0.118654	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000073	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000154	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000221	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.030698	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001866	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000172	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000081	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000277	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000070	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.070672	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.009007	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000018	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000179	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000013	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.362827	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000006	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.049999	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000322	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000393	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	0.000012	µg/m <sup>3</sup>	V0
Tin	0.000008	0.000029	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.006338	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000197	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000429	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.002995	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Fort McKay South	Loc ID:	FMCS
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00
		Set Index:	1
		WBEA ID:	211205393
		Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		728.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	2.292	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.119020	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000017	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000783	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.038334	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000105	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.007737	µg/m <sup>3</sup>	V4
Cobalt	0.000005	0.000100	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000458	µg/m <sup>3</sup>	V0
Iron	0.001585	0.111540	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000045	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000099	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000088	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.025373	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001567	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000103	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000048	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000320	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000063	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.065787	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000118	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.133033	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000008	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.038983	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000252	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000278	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000032	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003434	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000179	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000571	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003511	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PM10 Metal**      Samp Use: **Field Procedure Blank**      Set Index: **1**  
Location: **Conklin**      Loc ID: **CONK**      WBEA ID: **211205473**  
Start Date: **2021-12-29 10:05**      End Date: **2021-12-29 10:06**      Duration: **0.0 hr**

### Notes

Field Flag: 'B', Field Blank.  
Mass Flag: 'b1', Field/-dynamic blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Particulate Matter	0.042	0.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.006029	µg/m <sup>3</sup>	V0
Antimony	0.000016	-8888	µg/m <sup>3</sup>	V1
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000093	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	-8888	µg/m <sup>3</sup>	V1
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000609	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000016	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000213	µg/m <sup>3</sup>	V0
Iron	0.001585	0.004364	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	-8888	µg/m <sup>3</sup>	V1
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.001646	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000062	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000032	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000219	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000039	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.065681	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	-8888	µg/m <sup>3</sup>	V1
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.001035	µg/m <sup>3</sup>	V0
Strontium	0.000012	-8888	µg/m <sup>3</sup>	V1
Tantalum	0.000003	0.000254	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000027	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000410	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000060	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	-8888	µg/m <sup>3</sup>	V1
Zinc	0.000149	0.002919	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211205455
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-32.0	°C	
Pressure		721.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.030643	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000054	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.001311	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000032	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.073153	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000037	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000581	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000044	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001114	µg/m <sup>3</sup>	V0
Iron	0.001585	0.028793	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000012	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000192	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.090927	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001724	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000155	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000012	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000401	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000048	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.070823	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.125532	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000219	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.046362	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000017	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.468338	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000639	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000321	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000111	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001541	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000138	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000672	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.011745	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211205461
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-31.0	°C	
Pressure		737.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.000	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.059198	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000320	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.005304	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	0.000008	µg/m <sup>3</sup>	V0
Cadmium	0.000011	0.000012	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.173000	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000089	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000907	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000079	µg/m <sup>3</sup>	V0
Copper	0.000027	0.002674	µg/m <sup>3</sup>	V0
Iron	0.001585	0.114289	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000030	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000157	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.093432	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.004777	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000161	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000028	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000410	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000047	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.073607	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.064577	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000006	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000178	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.087880	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000012	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.414284	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.001041	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000278	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000314	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.003118	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000206	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000338	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.010672	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205465
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-28.0	°C	
Pressure		711.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	6.458	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.028033	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000042	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000513	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000011	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.060129	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000018	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000887	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000036	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001337	µg/m <sup>3</sup>	V0
Iron	0.001585	0.021432	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000006	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000172	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.101120	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000863	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000099	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000506	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000054	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.068239	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.018082	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000051	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.028956	µg/m <sup>3</sup>	V0
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.547432	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000625	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000327	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000068	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.001002	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000103	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000362	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.006148	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211205477
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-30.0	°C	
Pressure		705.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.042	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.010672	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000098	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000208	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.031326	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000630	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000040	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000371	µg/m <sup>3</sup>	V0
Iron	0.001585	0.010114	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000088	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.074737	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000312	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000145	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000289	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000292	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.064462	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.001893	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000020	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	0.000049	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.419586	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000405	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.001794	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000071	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000936	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.002296	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000143	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005080	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205484
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-30.0	°C	
Pressure		709.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	4.958	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.015094	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000084	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000617	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.038302	µg/m <sup>3</sup>	V0
Cerium	0.000013	-8888	µg/m <sup>3</sup>	V1
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000833	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000036	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000856	µg/m <sup>3</sup>	V0
Iron	0.001585	0.015823	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	-8888	µg/m <sup>3</sup>	V1
Lead	0.000018	0.000105	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.099021	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.000345	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000059	µg/m <sup>3</sup>	V0
Neodymium	0.000005	-8888	µg/m <sup>3</sup>	V1
Nickel	0.000015	0.000370	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000041	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.067173	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.005490	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	-8888	µg/m <sup>3</sup>	V1
Rubidium	0.000003	0.000016	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	-8888	µg/m <sup>3</sup>	V1
Silver	0.000006	-8888	µg/m <sup>3</sup>	V1
Sodium	0.000777	0.571236	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000550	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000297	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000032	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.000704	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000071	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000202	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.003952	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	211205507
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-33.0	°C	
Pressure		728.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	5.083	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.082430	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000041	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000915	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.064347	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000089	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001270	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000083	µg/m <sup>3</sup>	V0
Copper	0.000027	0.000643	µg/m <sup>3</sup>	V0
Iron	0.001585	0.065616	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000040	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000160	µg/m <sup>3</sup>	V0
Lithium	0.000016	0.000031	µg/m <sup>3</sup>	V0
Magnesium	0.000279	0.080872	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001400	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000165	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000041	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000644	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000066	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.047910	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.007747	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000011	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000088	µg/m <sup>3</sup>	V0
Samarium	0.000006	0.000007	µg/m <sup>3</sup>	V0
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.057431	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000024	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.392602	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000573	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000232	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000007	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000051	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.004037	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000388	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000205	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.005391	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	211205510
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-33.0	°C	
Pressure		732.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	3.375	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.047197	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000073	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000605	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	-8888	µg/m <sup>3</sup>	V1
Calcium	0.013042	0.039233	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000255	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.001305	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000065	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001109	µg/m <sup>3</sup>	V0
Iron	0.001585	0.041562	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000143	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000140	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.057327	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001625	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000283	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000020	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000509	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000081	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.068212	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	-8888	µg/m <sup>3</sup>	V1
Praseodymium	0.000002	0.000004	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000036	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.090476	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000014	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.237602	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000305	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000444	µg/m <sup>3</sup>	V0
Thallium	0.000005	0.000006	µg/m <sup>3</sup>	V0
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000064	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.004725	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000252	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000124	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.004338	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100070
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-33.0	°C	
Pressure		733.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Particulate Matter	0.042	7.625	µg/m <sup>3</sup>	V0
Aluminum	0.002800	0.058306	µg/m <sup>3</sup>	V0
Antimony	0.000016	0.000315	µg/m <sup>3</sup>	V0
Arsenic	0.000005	-8888	µg/m <sup>3</sup>	V1
Barium	0.000054	0.000692	µg/m <sup>3</sup>	V0
Beryllium	0.000013	-8888	µg/m <sup>3</sup>	V1
Bismuth	0.000004	-8888	µg/m <sup>3</sup>	V1
Cadmium	0.000011	0.000014	µg/m <sup>3</sup>	V0
Calcium	0.013042	0.044646	µg/m <sup>3</sup>	V0
Cerium	0.000013	0.000072	µg/m <sup>3</sup>	V0
Cesium	0.000004	-8888	µg/m <sup>3</sup>	V1
Chromium	0.000045	0.000608	µg/m <sup>3</sup>	V0
Cobalt	0.000005	0.000056	µg/m <sup>3</sup>	V0
Copper	0.000027	0.001843	µg/m <sup>3</sup>	V0
Iron	0.001585	0.047085	µg/m <sup>3</sup>	V0
Lanthanum	0.000004	0.000028	µg/m <sup>3</sup>	V0
Lead	0.000018	0.000289	µg/m <sup>3</sup>	V0
Lithium	0.000016	-8888	µg/m <sup>3</sup>	V1
Magnesium	0.000279	0.081145	µg/m <sup>3</sup>	V0
Manganese	0.000028	0.001113	µg/m <sup>3</sup>	V0
Molybdenum	0.000025	0.000105	µg/m <sup>3</sup>	V0
Neodymium	0.000005	0.000023	µg/m <sup>3</sup>	V0
Nickel	0.000015	0.000336	µg/m <sup>3</sup>	V0
Niobium	0.000006	0.000075	µg/m <sup>3</sup>	V0
Palladium	0.000050	-8888	µg/m <sup>3</sup>	V1
Phosphorus	0.003480	0.053477	µg/m <sup>3</sup>	V0
Platinum	0.000004	-8888	µg/m <sup>3</sup>	V1
Potassium	0.000402	0.000687	µg/m <sup>3</sup>	V0
Praseodymium	0.000002	0.000003	µg/m <sup>3</sup>	V0
Rubidium	0.000003	0.000063	µg/m <sup>3</sup>	V0
Samarium	0.000006	-8888	µg/m <sup>3</sup>	V1
Selenium	0.000133	-8888	µg/m <sup>3</sup>	V1
Silicon	0.010200	0.078315	µg/m <sup>3</sup>	V0
Silver	0.000006	0.000022	µg/m <sup>3</sup>	V0
Sodium	0.000777	0.342571	µg/m <sup>3</sup>	V0
Strontium	0.000012	0.000448	µg/m <sup>3</sup>	V0
Tantalum	0.000003	0.000239	µg/m <sup>3</sup>	V0
Thallium	0.000005	-8888	µg/m <sup>3</sup>	V1
Thorium	0.000002	-8888	µg/m <sup>3</sup>	V1
Tin	0.000008	0.000244	µg/m <sup>3</sup>	V0
Titanium	0.000031	0.002219	µg/m <sup>3</sup>	V0
Tungsten	0.000005	0.000376	µg/m <sup>3</sup>	V0
Uranium	0.000003	-8888	µg/m <sup>3</sup>	V1
Vanadium	0.000018	0.000149	µg/m <sup>3</sup>	V0
Zinc	0.000149	0.009156	µg/m <sup>3</sup>	V0





## **WOOD BUFFALO ENVIRONMENTAL ASSOCIATION**

### **INTEGRATED MONITORING PROGRAM ANNUAL REPORT**

## **PARTICULATE MATTER – ELEMENTAL CARBON/ORGANIC CARBON DATA SUMMARY 2021**

Prepared  
March 2022

#### **SAMPLE COLLECTION AND DATA COMPILATION BY:**

**Wood Buffalo Environmental Association**  
Fort McMurray, Alberta

#### **LABORATORY ANALYSIS BY:**

EC/OC: Desert Research Institute  
Reno, NV



CONTENTS DESCRIPTION	Results of Partisol Sampler Measurements of elemental carbon (EC) and organic carbon (OC)
SAMPLING PERIOD	24 hour
SAMPLING INTERVAL	Once every 6 days
UNITS	$\mu\text{g}/\text{m}^3$ (microgram per cubic meter)
OBSERVATION TYPE	Particles
FIELD SAMPLING OR MEASUREMENT PRINCIPLE	Filtration with $\text{PM}_{10}$ Inlet/Very Sharp Cut Cyclone for $\text{PM}_{2.5}$
PARTICLE DIAMETER	< 2.5 $\mu\text{m}$
MEDIUM	47 mm Quartz Filter
ANALYTICAL METHODS	DRI Model 2001 Thermal/Optical Carbon Analyzer
SAMPLE PREPARATION	NA
ANALYTICAL LABORATORY	Desert Research Institute
USER NOTE 1	Data are blank corrected
USER NOTE 2	Volume is given at actual conditions of temperature and pressure during sampling as measured by the sampler
USER NOTE 3	Blank sample concentration ( $\mu\text{g}/\text{m}^3$ ) is calculated using expected actual volume of sampler
USER NOTE 4	Values flagged V1 are displayed as -8888
VOLUME STANDARDIZATION	Actual Volume at Ambient Conditions
SAMPLING INSTRUMENT TYPE	FRM Partisol $\text{PM}_{2.5}$ sampler
FLAGS USED	
V0	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V4	Valid value despite failing to meet some QC or statistical criteria
V5	Valid value but qualified because of possible contamination
V6	Valid value but qualified due to non-standard sampling conditions
M1	Missing value because no value is available
M2	Missing value because invalidated by Data Originator



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC      Samp Use: Field Procedure Blank      Set Index: 1  
Location: Stony Mountain      Loc ID: STMT      WBEA ID: 21010007  
Start Date: 2021-01-03 10:40      End Date: 2021-01-03 10:41      Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.004	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 4	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	0.002	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC      Samp Use: Field Procedure Blank      Set Index: 1  
Location: Wapasu      Loc ID: WAPS      WBEA ID: 210100010  
Start Date: 2021-01-03 11:10      End Date: 2021-01-03 11:11      Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.002	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 4	0.005	0.022	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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		Deployment Information		
Sample Type:	ECOC	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210100040
Start Date:	2021-01-03 14:40	End Date:	2021-01-03 14:41	Duration: 0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.004	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 4	0.005	0.007	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.007	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	0.007	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.007	µg/m <sup>3</sup>	V0
Total Carbon	0.206	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	ECOC	Samp Use:	Exposure	Set Index: 1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID: 21010008
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration: 24.0 hr

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		-3.2	°C	
Pressure		689.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.089	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.169	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.298	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.100	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.067	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.722	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.655	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.031	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.036	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.067	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.722	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	ECOC	Samp Use:	Exposure	Set Index: 1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID: 210100011
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration: 24.0 hr

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		-13.0	°C	
Pressure		704.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.171	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.168	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.216	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.117	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.168	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.100	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.839	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.770	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.121	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.124	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.077	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.145	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.916	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100045
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		725.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.825	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.572	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.577	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.304	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.493	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.349	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.771	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.626	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.969	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.543	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	1.018	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	1.163	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.789	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 210100071
Start Date:	2021-01-10 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2021-01-11 00:00	

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### Notes

None

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Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		-8.1	°C	
Pressure		728.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.973	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	1.149	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.511	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.907	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.127	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.675	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	5.667	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	5.214	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	1.670	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.469	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	1.013	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	1.465	µg/m <sup>3</sup>	V0
Total Carbon	0.206	6.679	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210100098
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.5	°C	
Pressure		708.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.197	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.317	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.567	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.468	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.565	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.414	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.114	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.964	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.609	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.192	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.237	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.388	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.352	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Stony Mountain	Loc ID: STMT	WBEA ID: 210100099
Start Date: 2021-01-10 00:00	End Date: 2021-01-11 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.3	°C	
Pressure		696.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.240	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.494	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.973	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.636	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.966	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.740	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	3.308	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	3.082	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	1.001	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.228	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.263	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.489	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.571	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210100121
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.2	°C	
Pressure		709.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.140	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.230	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.419	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.127	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.088	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	1.004	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.915	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.091	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.108	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.110	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.198	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.114	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210100124
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.0	°C	
Pressure		696.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.096	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.164	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.248	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.076	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.038	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.014	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.621	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.597	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.012	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.025	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.024	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.621	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100146
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.1	°C	
Pressure		729.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.504	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.566	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.466	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.174	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.179	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.081	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.888	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.790	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.141	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.516	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.478	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.576	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.366	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210100182
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		713.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.097	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.089	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.172	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.038	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.397	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.396	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	0.043	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.043	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.044	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.440	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: ECOC	Deployment Information	Set Index: 1
Location: Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 210100191
Start Date: 2021-01-22 00:00	Loc ID: BGFM	Duration: 24.0 hr
	End Date: 2021-01-23 00:00	

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		735.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.270	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.272	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.275	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.085	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.074	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.027	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.976	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.929	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.097	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.282	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.305	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.352	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.282	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210100200
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C	
Pressure		697.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.030	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.094	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.450	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.199	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.371	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.181	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.144	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.954	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.227	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.144	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.190	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.144	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Wapasu  
Start Date: 2021-01-28 00:00

Samp Use: Exposure  
Loc ID: WAPS  
End Date: 2021-01-29 00:00

Set Index: 1  
WBEA ID: 210100258  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		715.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.105	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.166	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.202	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.078	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.152	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.092	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.702	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.642	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.152	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.325	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.325	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.385	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.027	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100263
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		736.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.430	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.427	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.303	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.134	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.340	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.047	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.633	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.341	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.363	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.401	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.424	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.717	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.057	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210100274
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		699.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.106	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.148	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.385	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.202	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.309	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.191	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.150	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.032	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.218	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.100	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.009	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.127	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.159	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	ECOC	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200365	
Start Date:	2021-02-01 11:50	End Date:	2021-02-01 11:51	Duration:	0.0 hr	

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### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.020	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 3	0.147	0.193	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.023	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.010	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.290	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.281	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	0.010	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.010	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.290	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Field Procedure Blank	Set Index: 1
Location: Wapasu	Loc ID: WAPS	WBEA ID: 210200380
Start Date: 2021-02-02 12:05	End Date: 2021-02-02 12:06	Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
 Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.003	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 4	0.005	0.006	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	0.008	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.008	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.008	µg/m <sup>3</sup>	V0
Total Carbon	0.206	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: ECOC  
Location: Stony Mountain  
Start Date: 2021-02-02 13:25

Samp Use: Field Procedure Blank  
Loc ID: STMT  
End Date: 2021-02-02 13:26

Set Index: 1  
WBEA ID: 210200383  
Duration: 0.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.003	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 4	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: ECOC	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 210200366	
Start Date: 2021-02-03 00:00	End Date: 2021-02-04 00:00	Duration: 24.0 hr	

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		736.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.338	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.313	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.268	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.076	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.071	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.015	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.065	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.009	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.042	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.241	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.212	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.268	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.277	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Wapasu  
Start Date: 2021-02-03 00:00

Samp Use: Exposure  
Loc ID: WAPS  
End Date: 2021-02-04 00:00

Set Index: 1  
WBEA ID: 210200381  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-20.0	°C	
Pressure		714.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.265	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.174	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.218	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.082	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.123	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.057	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.862	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.796	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.066	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.194	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.137	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.203	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.999	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210200384
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		698.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.073	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.120	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.172	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.068	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.068	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.036	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.501	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.469	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.040	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.040	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.013	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.045	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.514	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Stony Mountain	Loc ID: STMT	WBEA ID: 210200408
Start Date: 2021-02-09 00:00	End Date: 2021-02-10 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-28.0	°C	
Pressure		703.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.045	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.075	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.172	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.079	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.021	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.392	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.371	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.018	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.004	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.022	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.394	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Wapasu	Loc ID: WAPS	WBEA ID: 210200431
Start Date: 2021-02-09 00:00	End Date: 2021-02-10 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-28.0	°C	
Pressure		720.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.192	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.145	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.302	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.106	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.043	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.019	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.788	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.765	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.045	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.085	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.088	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.111	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.876	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200437
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		742.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.144	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.124	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.236	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.104	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.018	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.626	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.611	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.018	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.015	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.626	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210200457
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		696.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.085	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.126	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.237	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.106	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.115	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.062	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.669	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.616	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.100	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.064	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.049	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.102	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.718	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Wapasu	Loc ID: WAPS	WBEA ID: 210200496
Start Date: 2021-02-15 00:00	End Date: 2021-02-16 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		711.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.161	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.122	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.254	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.103	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.181	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.028	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.820	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.668	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.094	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.087	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.152	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.820	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200502
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		732.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.507	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.470	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.439	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.270	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.456	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.402	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.141	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.088	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.641	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.365	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.550	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.603	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.691	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210200512
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.5	°C	
Pressure		691.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.232	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.251	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.213	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.107	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.194	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.998	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.804	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.088	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.157	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.051	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.245	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.050	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210200535
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.2	°C	
Pressure		678.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.110	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.145	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.205	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.093	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.010	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.010	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.563	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.563	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.002	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.009	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	0.563	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300678
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.0	°C	
Pressure		709.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.611	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.500	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.407	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.148	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.289	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.130	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.956	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.797	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.135	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.318	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.164	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.322	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.120	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Wapasu	Loc ID: WAPS	WBEA ID: 210200560
Start Date: 2021-02-27 00:00	End Date: 2021-02-28 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-20.0	°C	
Pressure		712.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.215	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.267	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.358	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.313	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.459	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.355	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.611	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.507	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.412	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.394	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.348	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.452	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.959	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Stony Mountain	Loc ID: STMT	WBEA ID: 210200606
Start Date: 2021-02-27 00:00	End Date: 2021-02-28 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		694.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.073	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.118	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.183	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.076	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.082	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.532	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.450	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.051	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.031	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.082	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.532	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 210200627
Start Date:	2021-02-27 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2021-02-28 00:00	

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		-20.0	°C	
Pressure		733.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.495	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.733	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.741	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.341	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.431	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.229	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.740	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.538	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.599	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.276	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.444	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.645	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.184	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Wapasu  
Start Date: 2021-03-02 10:14

Samp Use: Field Procedure Blank  
Loc ID: WAPS  
End Date: 2021-03-02 10:15

Set Index: 1  
WBEA ID: 210300680  
Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.014	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.079	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.151	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.014	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.258	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.258	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	0.258	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210300689
Start Date:	2021-03-03 10:34	End Date:	2021-03-03 10:35	Duration:	0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 2	0.049	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 4	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	-8888	µg/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	ECOC	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Field Procedure Blank
Start Date:	2021-03-03 14:35	Loc ID:	BGFM
		End Date:	2021-03-03 14:36
		Set Index:	1
		WBEA ID:	210300701
		Duration:	0.0 hr

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### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

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Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.007	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 3	0.147	0.170	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.024	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.249	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.248	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	0.249	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210300681
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.1	°C	
Pressure		710.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.321	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.469	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.685	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.309	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.489	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.417	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.272	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.200	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.405	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.154	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.071	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.143	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.343	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210300690
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.4	°C	
Pressure		693.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.148	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.392	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.606	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.331	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.399	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.361	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.875	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.837	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.401	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.119	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.121	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.159	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.996	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300702
Start Date:	2021-03-05 00:00	End Date:	2021-03-06 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.9	°C	
Pressure		733.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.590	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.547	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.558	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.301	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.534	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.216	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.529	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.211	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.672	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.266	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.404	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.722	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.933	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210300738
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.2	°C	
Pressure		711.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.077	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.159	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.190	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.079	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.039	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.033	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.543	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.537	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.036	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.100	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.098	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.104	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.641	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 210300756
Start Date: 2021-03-11 00:00	End Date: 2021-03-12 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C	
Pressure		735.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.499	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.533	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.489	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.221	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.618	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.458	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.359	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.200	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.739	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.199	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.320	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.479	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.679	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	ECOC	Samp Use:	Exposure	Set Index: 1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID: 210300773
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration: 24.0 hr

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		-7.6	°C	
Pressure		695.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.110	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.192	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.361	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.117	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.125	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.097	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.905	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.876	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.099	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.041	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.015	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.043	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.919	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Wapasu	Loc ID: WAPS	WBEA ID: 210300801
Start Date: 2021-03-17 00:00	End Date: 2021-03-18 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.4	°C	
Pressure		711.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.166	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.236	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.298	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.137	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.197	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.155	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.034	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.992	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.102	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.222	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.127	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.169	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.161	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: ECOC	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 210300810	
Start Date: 2021-03-17 00:00	End Date: 2021-03-18 00:00	Duration: 24.0 hr	

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		3.4	°C	
Pressure		734.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.458	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.684	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.593	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.362	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.483	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.187	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.579	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.283	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.549	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.398	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.464	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.760	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.043	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210300825
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.3	°C	
Pressure		696.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.079	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.175	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.382	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.114	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.131	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.076	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.880	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.825	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.076	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.060	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.006	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.060	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.886	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210300886
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.9	°C	
Pressure		700.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.047	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.142	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.271	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.110	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.059	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.083	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.629	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.652	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.059	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.055	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.055	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.032	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.684	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Wapasu	Loc ID: WAPS	WBEA ID: 210300917
Start Date: 2021-03-23 00:00	End Date: 2021-03-24 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C	
Pressure		718.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.060	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.093	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.161	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.039	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.029	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.353	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.381	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.013	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.015	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.029	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	0.381	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: ECOC	Deployment Information	Set Index: 1
Location: Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 210300937
Start Date: 2021-03-23 00:00	Loc ID: BGFM	Duration: 24.0 hr
	End Date: 2021-03-24 00:00	

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		-13.0	°C	
Pressure		743.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.359	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.441	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.343	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.251	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.328	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.012	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.722	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.407	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.570	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.138	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.381	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.696	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.102	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Wapasu	Loc ID: WAPS	WBEA ID: 210300994
Start Date: 2021-03-29 00:00	End Date: 2021-03-30 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C	
Pressure		709.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.140	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.169	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.375	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.148	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.041	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.127	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.872	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.958	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.102	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.192	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.254	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.168	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.126	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	ECOC	Samp Use:	Exposure	Set Index: 1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID: 210301015
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration: 24.0 hr

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		-9.8	°C	
Pressure		692.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.023	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.086	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.188	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.055	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.032	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.020	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.384	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.372	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.007	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.044	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.020	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.031	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.403	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: ECOC	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 210301032	
Start Date: 2021-03-29 00:00	End Date: 2021-03-30 00:00	Duration: 24.0 hr	

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		735.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.175	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.270	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.319	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.124	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.238	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.018	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.127	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.907	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.153	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.189	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.103	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.323	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.230	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC      Samp Use: Field Procedure Blank      Set Index: 1  
Location: Wapasu      Loc ID: WAPS      WBEA ID: 210301068  
Start Date: 2021-03-30 09:45      End Date: 2021-03-30 09:46      Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.017	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.053	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 4	0.005	0.025	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.236	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.236	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	0.236	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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		Deployment Information		
Sample Type:	ECOC	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210301070
Start Date:	2021-03-30 11:45	End Date:	2021-03-30 11:46	Duration: 0.0 hr

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### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

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Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 2	0.049	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 4	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC      Samp Use: Field Procedure Blank      Set Index: 1  
Location: Stony Mountain      Loc ID: STMT      WBEA ID: 210301093  
Start Date: 2021-03-31 12:10      End Date: 2021-03-31 12:11      Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.022	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.053	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 4	0.005	0.030	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.010	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.225	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.215	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	0.010	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.010	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.225	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210301069
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.6	°C	
Pressure		709.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.305	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.347	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.525	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.239	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.344	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.267	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.759	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.681	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.158	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.360	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.174	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.251	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.933	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: ECOC	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 210301076	
Start Date: 2021-04-04 00:00	End Date: 2021-04-05 00:00	Duration: 24.0 hr	

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		2.6	°C	
Pressure		733.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.754	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.781	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.249	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.691	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.859	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.593	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	4.334	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	4.068	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	1.110	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.571	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.822	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	1.088	µg/m <sup>3</sup>	V0
Total Carbon	0.206	5.156	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210301094
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.5	°C	
Pressure		693.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.118	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.255	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.396	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.195	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.306	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.234	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.271	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.199	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.130	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.177	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.072	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.271	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Wapasu  
Start Date: 2021-04-10 00:00

Samp Use: Exposure  
Loc ID: WAPS  
End Date: 2021-04-11 00:00

Set Index: 1  
WBEA ID: 210401133  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.8	°C	
Pressure		710.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.157	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.235	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.308	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.070	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.060	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.038	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.830	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.809	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.041	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.072	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.053	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.075	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.884	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 210401141
Start Date: 2021-04-10 00:00	End Date: 2021-04-11 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.6	°C	
Pressure		735.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.465	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.609	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.454	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.152	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.248	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.066	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.929	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.747	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.151	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.336	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.239	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.421	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.168	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Stony Mountain  
Start Date: 2021-04-10 00:00

Samp Use: Exposure  
Loc ID: STMT  
End Date: 2021-04-11 00:00

Set Index: 1  
WBEA ID: 210401162  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.1	°C	
Pressure		692.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.102	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.217	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.343	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.112	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.215	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.215	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.989	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.989	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.092	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.122	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	0.989	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 210401225
Start Date: 2021-04-16 00:00	End Date: 2021-04-17 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.2	°C	
Pressure		743.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.855	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.996	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.067	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.595	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.870	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.718	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	4.382	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	4.231	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.508	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.850	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.489	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.640	µg/m <sup>3</sup>	V0
Total Carbon	0.206	4.871	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Wapasu  
Start Date: 2021-04-16 00:00

Samp Use: Exposure  
Loc ID: WAPS  
End Date: 2021-04-17 00:00

Set Index: 1  
WBEA ID: 210401240  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.5	°C	
Pressure		720.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.434	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.458	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.491	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.225	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.384	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.243	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.991	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.850	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.279	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.126	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.021	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.162	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.012	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210401811
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.5	°C	
Pressure		703.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.256	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.356	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.479	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.217	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.170	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.053	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.478	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.361	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.062	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.108	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.117	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.478	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Wapasu  
Start Date: 2021-04-22 00:00

Samp Use: Exposure  
Loc ID: WAPS  
End Date: 2021-04-23 00:00

Set Index: 1  
WBEA ID: 210401788  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.5	°C	
Pressure		715.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.200	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.205	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.284	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.173	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.196	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.152	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.058	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.015	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.075	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.180	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.059	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.102	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.117	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401800
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.5	°C	
Pressure		740.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.246	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.253	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.368	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.079	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.110	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.056	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.056	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.001	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.064	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.087	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.041	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.096	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.097	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Stony Mountain	Loc ID: STMT	WBEA ID: 210401812
Start Date: 2021-04-22 00:00	End Date: 2021-04-23 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.4	°C	
Pressure		699.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.067	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.140	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.305	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.142	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.116	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.053	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.770	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.707	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.057	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.062	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.066	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.773	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Wapasu	Loc ID: WAPS	WBEA ID: 210401852
Start Date: 2021-04-28 00:00	End Date: 2021-04-29 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.0	°C	
Pressure		715.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.223	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.208	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.330	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.172	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.193	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.038	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.126	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.971	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.130	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.100	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.037	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.192	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.163	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: ECOC	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 210401860	
Start Date: 2021-04-28 00:00	End Date: 2021-04-29 00:00	Duration: 24.0 hr	

### Notes

None

Parameter	Data			Flag
	MDL	Value	Unit	
Temperature		-3.0	°C	
Pressure		739.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.256	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.251	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.672	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.297	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.159	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.195	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.635	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.671	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.369	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.145	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.355	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.320	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.991	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210401873
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.4	°C	
Pressure		698.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.154	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.226	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.306	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.117	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.194	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.154	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.996	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.957	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.076	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.129	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.011	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.050	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.007	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Stony Mountain  
Start Date: 2021-04-29 13:05

Samp Use: Field Procedure Blank  
Loc ID: STMT  
End Date: 2021-04-29 13:06

Set Index: 1  
WBEA ID: 210401914  
Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.038	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.066	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.201	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.071	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.376	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.376	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	0.009	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.009	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.009	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.385	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	ECOC	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401940	
Start Date:	2021-04-30 12:40	End Date:	2021-04-30 12:41	Duration:	0.0 hr	

---

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.037	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.078	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.273	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.044	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.022	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.454	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.432	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	0.022	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.022	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.454	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC      Samp Use: Field Procedure Blank      Set Index: 1  
Location: Wapasu      Loc ID: WAPS      WBEA ID: 210501965  
Start Date: 2021-05-03 10:35      End Date: 2021-05-03 10:36      Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.012	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 3	0.147	0.189	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.087	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.060	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.395	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.335	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.010	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.050	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.060	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.395	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Stony Mountain	Loc ID: STMT	WBEA ID: 210401915
Start Date: 2021-05-04 00:00	End Date: 2021-05-05 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.2	°C	
Pressure		699.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.180	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.266	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.571	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.226	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.478	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.355	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.722	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.598	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.255	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.223	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.124	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.722	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401947
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.9	°C	
Pressure		739.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.656	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.603	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.789	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.451	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.628	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.365	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	3.126	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.862	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.426	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.505	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.303	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.566	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.429	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Wapasu	Loc ID: WAPS	WBEA ID: 210501966
Start Date: 2021-05-04 00:00	End Date: 2021-05-05 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.3	°C	
Pressure		716.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.337	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.338	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.617	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.250	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.283	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.200	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.825	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.743	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.157	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.129	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.086	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.829	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210501977
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.0	°C	
Pressure		703.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.157	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.433	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.582	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.279	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.410	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.376	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.861	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.827	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.253	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.157	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.034	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.861	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 210501999
Start Date: 2021-05-10 00:00	End Date: 2021-05-11 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.2	°C	
Pressure		738.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.585	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.591	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.904	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.422	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.606	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.488	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	3.108	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.989	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.480	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.573	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.447	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.565	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.554	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210502003
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.4	°C	
Pressure		719.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.334	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.456	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.710	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.413	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.574	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.476	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.487	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.388	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.449	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.394	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.269	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.367	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.755	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210502041
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.9	°C	
Pressure		732.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.429	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.873	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.868	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.363	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.399	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.242	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.931	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.774	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.173	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.531	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.305	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.462	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.236	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	ECOC	Samp Use:	Exposure	Set Index: 1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID: 210502054
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration: 24.0 hr

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		8.8	°C	
Pressure		713.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.183	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.450	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.502	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.194	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.167	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	1.496	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.329	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.096	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.071	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.167	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.496	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Stony Mountain	Loc ID: STMT	WBEA ID: 210502057
Start Date: 2021-05-16 00:00	End Date: 2021-05-17 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.5	°C	
Pressure		696.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.266	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.461	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.001	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.496	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.425	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.413	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.649	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.637	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.242	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.183	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.012	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.649	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 210502106
Start Date: 2021-05-22 00:00	End Date: 2021-05-23 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.8	°C	
Pressure		740.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.496	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.672	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.866	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.356	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.631	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.388	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	3.019	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.777	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.428	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.293	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.091	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.333	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.110	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Wapasu	Loc ID: WAPS	WBEA ID: 210502119
Start Date: 2021-05-22 00:00	End Date: 2021-05-23 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.1	°C	
Pressure		721.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.164	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.285	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.504	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.581	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.766	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.542	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	3.300	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	3.076	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.461	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.305	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.224	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.300	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210502122
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.4	°C	
Pressure		705.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.216	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.307	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.599	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.271	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.398	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.293	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.790	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.685	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.220	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.178	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.105	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.790	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Wapasu  
Start Date: 2021-05-28 00:00

Samp Use: Exposure  
Loc ID: WAPS  
End Date: 2021-05-29 00:00

Set Index: 1  
WBEA ID: 210502186  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.9	°C	
Pressure		705.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.122	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.448	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.906	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.401	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.278	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.241	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.155	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.118	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.145	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.133	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.037	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.155	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210502195
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.7	°C	
Pressure		724.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.951	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	1.042	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.205	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.443	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.696	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.380	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	4.336	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	4.021	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.497	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.285	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.086	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.402	µg/m <sup>3</sup>	V0
Total Carbon	0.206	4.422	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Stony Mountain  
Start Date: 2021-05-28 00:00

Samp Use: Exposure  
Loc ID: STMT  
End Date: 2021-05-29 00:00

Set Index: 1  
WBEA ID: 210502209  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.6	°C	
Pressure		688.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.224	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.526	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.829	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.329	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.505	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.278	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.413	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.186	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.278	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.227	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.227	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.413	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	ECOC	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Field Procedure Blank
Start Date:	2021-06-01 15:18	Loc ID:	BGFM
		End Date:	2021-06-02 15:19
		Set Index:	1
		WBEA ID:	210602284
		Duration:	24.0 hr

---

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

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Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.004	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 3	0.147	0.365	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.112	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.085	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.047	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.601	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.563	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.011	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.073	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.038	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.601	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC      Samp Use: Field Procedure Blank      Set Index: 1  
Location: Wapasu      Loc ID: WAPS      WBEA ID: 210602302  
Start Date: 2021-06-01 15:20      End Date: 2021-06-01 15:21      Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.016	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 3	0.147	0.236	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.026	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.025	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.335	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.311	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	0.025	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.025	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.335	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Stony Mountain  
Start Date: 2021-06-02 11:55

Samp Use: Field Procedure Blank  
Loc ID: STMT  
End Date: 2021-06-02 11:56

Set Index: 1  
WBEA ID: 210602317  
Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.016	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 4	0.005	0.019	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.195	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.195	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 210602285
Start Date:	2021-06-03 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2021-06-04 00:00	

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		19.8	°C	
Pressure		725.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.709	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	1.072	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.870	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.446	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.834	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.404	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	4.931	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	4.501	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.694	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.612	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.472	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.902	µg/m <sup>3</sup>	V0
Total Carbon	0.206	5.403	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Wapasu  
Start Date: 2021-06-03 00:00

Samp Use: Exposure  
Loc ID: WAPS  
End Date: 2021-06-04 00:00

Set Index: 1  
WBEA ID: 210602303  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.4	°C	
Pressure		706.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.303	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.819	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.409	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.716	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.533	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.423	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	3.781	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	3.670	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.361	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.268	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.095	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.206	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.876	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210602318
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.3	°C	
Pressure		692.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.221	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.825	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.254	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.510	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.344	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.300	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	3.154	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	3.110	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.177	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.168	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.046	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.155	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210602353
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.3	°C	
Pressure		719.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.224	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.476	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.858	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.358	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.357	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	2.272	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.915	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.180	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.177	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.357	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.272	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 210602368
Start Date: 2021-06-09 00:00	End Date: 2021-06-10 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.3	°C	
Pressure		738.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.567	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.953	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.002	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.309	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.346	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	3.176	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.830	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.152	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.586	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.391	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.737	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.567	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Stony Mountain	Loc ID: STMT	WBEA ID: 210602384
Start Date: 2021-06-09 00:00	End Date: 2021-06-10 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.4	°C	
Pressure		702.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.451	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.824	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.244	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.518	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.489	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.489	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	3.526	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	3.526	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.247	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.242	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	3.526	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	ECOC	Samp Use:	Exposure	Set Index: 1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID: 210602394
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration: 24.0 hr

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		18.5	°C	
Pressure		695.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.730	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.994	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.628	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.622	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.015	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.832	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	4.989	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	4.807	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.525	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.489	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.182	µg/m <sup>3</sup>	V0
Total Carbon	0.206	4.989	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210602433
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

Raining during sample collection.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.1	°C	
Pressure		711.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.278	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.759	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.532	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.543	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.597	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.424	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	3.709	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	3.536	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.401	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.269	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.072	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.246	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.782	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	ECOC	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210602444
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration: 24.0 hr

### Notes

Raining during sample collection.

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		22.6	°C	
Pressure		729.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.589	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	1.357	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.724	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.766	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.021	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.598	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	5.456	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	5.034	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	1.086	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.457	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.522	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.945	µg/m <sup>3</sup>	V0
Total Carbon	0.206	5.979	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Stony Mountain  
Start Date: 2021-06-21 00:00

Samp Use: Exposure  
Loc ID: STMT  
End Date: 2021-06-22 00:00

Set Index: 1  
WBEA ID: 210602455  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.6	°C	
Pressure		696.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.288	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.664	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.020	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.401	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.452	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.308	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.825	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.682	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.184	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.268	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.144	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.825	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Wapasu	Loc ID: WAPS	WBEA ID: 210602498
Start Date: 2021-06-21 00:00	End Date: 2021-06-22 00:00	Duration: 24.0 hr

### Notes

Raining during sample deployment.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.5	°C	
Pressure		711.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.634	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.849	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.164	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.619	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.888	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.575	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	4.154	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	3.841	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.417	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.530	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.059	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.373	µg/m <sup>3</sup>	V0
Total Carbon	0.206	4.213	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 210602517
Start Date:	2021-06-21 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2021-06-22 00:00	

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### Notes

Raining during sample deployment.

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Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		16.4	°C	
Pressure		729.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.983	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	1.360	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	2.068	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	1.013	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.519	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	1.043	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	6.942	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	6.466	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	1.106	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.999	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.586	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	1.062	µg/m <sup>3</sup>	V0
Total Carbon	0.206	7.528	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Wapasu	Loc ID: WAPS	WBEA ID: 210602542
Start Date: 2021-06-27 00:00	End Date: 2021-06-28 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.2	°C	
Pressure		721.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.720	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	1.118	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.760	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.650	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.848	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.385	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	5.096	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	4.633	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.626	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.449	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.227	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.690	µg/m <sup>3</sup>	V0
Total Carbon	0.206	5.323	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602551
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.5	°C	
Pressure		739.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	1.125	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	1.711	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	2.110	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	1.183	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.933	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.692	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	7.061	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	6.819	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.696	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.534	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.296	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.538	µg/m <sup>3</sup>	V0
Total Carbon	0.206	7.357	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210602571
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.7	°C	
Pressure		704.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.405	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.848	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.123	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.430	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.485	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.288	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	3.292	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	3.095	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.168	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.318	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.198	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.292	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC      Samp Use: Field Procedure Blank      Set Index: 1  
Location: Wapasu      Loc ID: WAPS      WBEA ID: 210602609  
Start Date: 2021-06-30 08:30      End Date: 2021-06-30 08:31      Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.003	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.058	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.242	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.062	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.364	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.364	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.029	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.022	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.051	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.051	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.415	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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		Deployment Information			
Sample Type:	ECOC	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602638
Start Date:	2021-06-30 11:20	End Date:	2021-06-30 11:21	Duration:	0.0 hr

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### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.025	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.076	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.193	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.052	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.346	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.346	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	0.346	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC      Samp Use: Field Procedure Blank      Set Index: 1  
Location: Stony Mountain      Loc ID: STMT      WBEA ID: 210602620  
Start Date: 2021-06-30 13:05      End Date: 2021-06-30 13:06      Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.016	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 4	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	ECOC	Samp Use:	Exposure	Set Index: 1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID: 210602610
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration: 24.0 hr

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		17.1	°C	
Pressure		711.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.223	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.992	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.262	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.423	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.181	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.101	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	3.081	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	3.002	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.101	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.282	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.202	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.282	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.283	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Stony Mountain	Loc ID: STMT	WBEA ID: 210602621
Start Date: 2021-07-03 00:00	End Date: 2021-07-04 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.9	°C	
Pressure		696.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.238	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.584	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.062	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.373	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.444	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.278	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.701	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.536	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.221	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.286	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.063	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.228	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.764	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 210602642
Start Date:	2021-07-03 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2021-07-04 00:00	

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		20.6	°C	
Pressure		731.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.613	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.957	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.954	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.391	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.512	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.211	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	3.426	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	3.125	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.204	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.323	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.015	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.316	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.441	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Wapasu	Loc ID: WAPS	WBEA ID: 210702686
Start Date: 2021-07-09 00:00	End Date: 2021-07-10 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		24.3	°C	
Pressure		716.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.281	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	1.387	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	2.279	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.983	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.215	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	1.020	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	6.144	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	5.950	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	1.202	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.320	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.307	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.501	µg/m <sup>3</sup>	V0
Total Carbon	0.206	6.451	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702704
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		26.9	°C	
Pressure		734.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.832	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	2.297	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	3.409	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	1.222	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.502	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	1.239	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	9.262	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	8.999	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	1.836	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.723	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	1.057	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	1.319	µg/m <sup>3</sup>	V0
Total Carbon	0.206	10.319	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210702720
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		25.1	°C	
Pressure		700.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.979	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	2.487	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	3.957	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	1.334	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.965	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	1.527	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	10.722	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	10.285	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	2.262	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.353	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.651	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	1.088	µg/m <sup>3</sup>	V0
Total Carbon	0.206	11.373	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702766
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.7	°C	
Pressure		728.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	1.230	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	2.647	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	4.033	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	1.553	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	2.324	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	2.025	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	11.787	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	11.488	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	2.874	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.374	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.924	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	1.223	µg/m <sup>3</sup>	V0
Total Carbon	0.206	12.711	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210702791
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.9	°C	
Pressure		709.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.685	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	2.243	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	3.733	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	1.438	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	3.542	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	2.981	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	11.642	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	11.081	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	3.811	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.467	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.736	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	1.297	µg/m <sup>3</sup>	V0
Total Carbon	0.206	12.377	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210702800
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.0	°C	
Pressure		694.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.968	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	2.614	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	4.322	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	1.814	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	2.198	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	1.566	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	11.915	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	11.283	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	2.545	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.426	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.773	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	1.405	µg/m <sup>3</sup>	V0
Total Carbon	0.206	12.688	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Wapasu  
Start Date: 2021-07-21 00:00

Samp Use: Exposure  
Loc ID: WAPS  
End Date: 2021-07-22 00:00

Set Index: 1  
WBEA ID: 210702834  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.0	°C	
Pressure		715.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.481	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	2.168	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	3.450	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	1.919	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	2.664	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	2.115	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	10.682	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	10.133	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	2.657	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.408	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.401	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.950	µg/m <sup>3</sup>	V0
Total Carbon	0.206	11.083	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702841
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.1	°C	
Pressure		735.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	1.225	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	3.145	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	4.642	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	2.571	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	3.452	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	2.750	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	15.036	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	14.333	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	3.770	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.475	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.792	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	1.495	µg/m <sup>3</sup>	V0
Total Carbon	0.206	15.828	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210702862
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.2	°C	
Pressure		699.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.970	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	2.010	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	3.165	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	1.128	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	2.815	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	2.052	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	10.088	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	9.325	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	2.598	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.535	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.318	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	1.082	µg/m <sup>3</sup>	V0
Total Carbon	0.206	10.406	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Stony Mountain	Loc ID: STMT	WBEA ID: 210702885
Start Date: 2021-07-27 00:00	End Date: 2021-07-28 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.1	°C	
Pressure		699.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.105	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.591	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.323	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.622	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.876	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.815	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	3.517	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	3.456	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.675	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.243	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.042	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.103	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.559	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210702915
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.1	°C	
Pressure		714.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.233	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.815	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.091	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.503	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.752	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.633	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	3.393	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	3.274	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.377	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.443	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.069	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.188	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.462	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702919
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.9	°C	
Pressure		734.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.330	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.951	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.192	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.456	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.397	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.289	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	3.326	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	3.217	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.236	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.298	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.137	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.246	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.463	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC      Samp Use: Field Procedure Blank      Set Index: 1  
Location: Wapasu      Loc ID: WAPS      WBEA ID: 210702961  
Start Date: 2021-07-28 09:50      End Date: 2021-07-28 09:51      Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 2	0.049	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 3	0.147	0.197	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.008	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.249	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.249	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	0.249	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC      Samp Use: Field Procedure Blank      Set Index: 1  
Location: Stony Mountain      Loc ID: STMT      WBEA ID: 210702976  
Start Date: 2021-07-28 13:05      End Date: 2021-07-28 13:06      Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 2	0.049	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 4	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	0.003	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	ECOC	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702982	
Start Date:	2021-07-28 13:30	End Date:	2021-07-28 13:31	Duration:	0.0 hr	

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### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

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Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 2	0.049	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 4	0.005	0.023	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	ECOC	Samp Use:	Exposure	Set Index: 1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID: 210702962
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration: 24.0 hr

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		22.1	°C	
Pressure		720.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.979	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	1.880	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	2.814	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.980	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.885	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	1.580	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	8.537	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	8.232	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	1.983	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.523	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.622	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.927	µg/m <sup>3</sup>	V0
Total Carbon	0.206	9.159	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210702977
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.2	°C	
Pressure		703.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.586	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	2.316	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	3.487	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	1.191	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	2.174	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	1.772	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	9.753	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	9.351	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	2.257	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.381	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.464	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.866	µg/m <sup>3</sup>	V0
Total Carbon	0.206	10.216	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 210702981
Start Date:	2021-08-02 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2021-08-03 00:00	

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		23.7	°C	
Pressure		738.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	1.542	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	1.832	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	2.318	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	1.316	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.899	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	1.484	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	8.906	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	8.492	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	1.794	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.818	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	0.004	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, transmittance	0.005	0.716	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	1.131	µg/m <sup>3</sup>	V0
Total Carbon	0.206	9.623	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803036
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.9	°C	
Pressure		731.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.337	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.553	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.646	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.263	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.460	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.508	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.259	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.307	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.284	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.359	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.183	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.135	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.442	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210803053
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.1	°C	
Pressure		711.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.127	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.438	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.610	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.135	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.180	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.012	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.490	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.322	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.087	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.178	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.085	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.253	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.575	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	ECOC	Samp Use:	Exposure	Set Index: 1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID: 210803061
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration: 24.0 hr

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		12.6	°C	
Pressure		695.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.149	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.433	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.859	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.263	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.297	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.153	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.002	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.858	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.177	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.120	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.144	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.002	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Wapasu  
Start Date: 2021-08-14 00:00

Samp Use: Exposure  
Loc ID: WAPS  
End Date: 2021-08-15 00:00

Set Index: 1  
WBEA ID: 210803095  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.6	°C	
Pressure		709.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.203	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	1.026	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	2.460	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.768	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.153	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.819	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	5.609	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	5.276	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	1.366	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.320	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.533	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.867	µg/m <sup>3</sup>	V0
Total Carbon	0.206	6.142	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803106
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.8	°C	
Pressure		728.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.585	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	1.358	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	2.344	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	1.056	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.980	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.558	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	6.324	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	5.901	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	1.804	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.577	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	1.401	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	1.823	µg/m <sup>3</sup>	V0
Total Carbon	0.206	7.724	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210803126
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.9	°C	
Pressure		695.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.212	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	1.859	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	3.937	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	1.562	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.641	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	1.362	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	9.209	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	8.931	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	1.905	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.379	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	0.002	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, transmittance	0.005	0.645	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.924	µg/m <sup>3</sup>	V0
Total Carbon	0.206	9.855	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210803175
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.9	°C	
Pressure		715.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.124	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.484	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.613	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.162	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.263	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.136	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.646	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.519	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.116	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.224	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.077	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.205	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.723	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: ECOC	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 210803177	
Start Date: 2021-08-20 00:00	End Date: 2021-08-21 00:00	Duration: 24.0 hr	

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		12.5	°C	
Pressure		737.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.235	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.626	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.000	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.221	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.169	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.109	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.250	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.190	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.169	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.321	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.321	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.381	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.571	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210803195
Start Date:	2021-08-20 02:16	End Date:	2021-08-21 00:00	Duration:	21.7 hr

### Notes

Upon collection of the sample, partisol had a sample period status code. Power outage caused a delayed sample start resulting in a short sample duration and low sample volume.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.4	°C	
Pressure		700.7	mmHg	
Sample Volume		21.7	m <sup>3</sup>	V6
Organic Carbon Fraction 1	0.002	0.091	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.613	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.997	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.469	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.569	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.405	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.740	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.575	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.301	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.284	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.016	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.180	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.755	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210803275
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.8	°C	
Pressure		713.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.069	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.603	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.018	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.552	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.847	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.741	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	3.088	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.981	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.551	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.296	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.106	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.088	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803280
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.7	°C	
Pressure		732.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.589	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.866	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.543	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.624	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.779	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.652	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	4.401	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	4.274	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.807	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.274	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.302	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.429	µg/m <sup>3</sup>	V0
Total Carbon	0.206	4.703	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Stony Mountain	Loc ID: STMT	WBEA ID: 210803296
Start Date: 2021-08-26 00:00	End Date: 2021-08-27 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.3	°C	
Pressure		699.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.050	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.413	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.037	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.439	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.549	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.486	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.486	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.424	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.254	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.316	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.022	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.084	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.508	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC      Samp Use: Field Procedure Blank      Set Index: 1  
Location: Bertha Ganter - Fort McKay      Loc ID: BGFM      WBEA ID: 210803359  
Start Date: 2021-08-30 15:10      End Date: 2021-08-30 15:11      Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 2	0.049	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 4	0.005	0.005	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC      Samp Use: Field Procedure Blank      Set Index: 1  
Location: Wapasu      Loc ID: WAPS      WBEA ID: 210803372  
Start Date: 2021-08-30 15:39      End Date: 2021-08-30 15:40      Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 2	0.049	0.055	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 4	0.005	0.007	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 210803361
Start Date:	2021-09-01 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2021-09-02 00:00	

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		16.0	°C	
Pressure		727.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.257	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.846	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.115	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.406	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.529	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.336	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	3.153	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.960	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.410	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.265	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.145	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.339	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.298	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Stony Mountain  
Start Date: 2021-09-01 09:55

Samp Use: Field Procedure Blank  
Loc ID: STMT  
End Date: 2021-09-01 09:56

Set Index: 1  
WBEA ID: 210903389  
Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.027	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.067	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 4	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.009	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	0.009	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.009	µg/m <sup>3</sup>	V0
Total Carbon	0.206	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210903390
Start Date:	2021-09-01 10:00	End Date:	2021-09-02 10:00	Duration:	24.0 hr

### Notes

Late sample media delivery, sample start time at 10:00 MST

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		13.1	°C	
Pressure		694.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.042	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.286	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.553	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.273	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.335	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.229	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.489	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.383	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.121	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.214	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.106	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.489	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210803373
Start Date:	2021-09-01 13:00	End Date:	2021-09-02 13:00	Duration:	24.0 hr

### Notes

Sample deployed from 09/01/21 at 13:00 MST to 09/02/21 at 13:00 MST due to power loss causing sample not to run during the normal NAPS period.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.2	°C	
Pressure		709.4	mmHg	
Sample Volume		23.3	m <sup>3</sup>	V6
Organic Carbon Fraction 1	0.002	0.063	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.737	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.295	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.544	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.823	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.521	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	3.463	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	3.160	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.564	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.476	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.217	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.519	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.679	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Wapasu	Loc ID: WAPS	WBEA ID: 210903395
Start Date: 2021-09-07 00:00	End Date: 2021-09-08 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.0	°C	
Pressure		715.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.201	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.599	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.805	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.265	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.256	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.147	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.126	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.017	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.077	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.217	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.038	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.146	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.164	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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		Deployment Information			
Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903403
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

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### Notes

Raining during sample collection.

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Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		17.1	°C	
Pressure		734.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.514	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.458	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.711	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.235	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.185	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	2.104	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.919	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.055	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.188	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.058	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.243	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.162	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	ECOC	Samp Use:	Exposure	Set Index: 1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID: 210903428
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration: 24.0 hr

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		14.9	°C	
Pressure		701.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.082	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.311	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.596	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.151	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.138	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.138	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.278	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.278	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.052	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.086	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	1.278	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Stony Mountain	Loc ID: STMT	WBEA ID: 210903483
Start Date: 2021-09-13 00:00	End Date: 2021-09-14 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.1	°C	
Pressure		697.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.047	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.278	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.376	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.162	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.157	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.028	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.020	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.891	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.027	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.130	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.129	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.020	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Wapasu	Loc ID: WAPS	WBEA ID: 210903497
Start Date: 2021-09-13 00:00	End Date: 2021-09-14 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.0	°C	
Pressure		710.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.082	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.482	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.609	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.233	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.441	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.400	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.847	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.806	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.165	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.410	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.135	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.176	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.982	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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		Deployment Information			
Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903503
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

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### Notes

Raining during sample deployment.

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Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		13.1	°C	
Pressure		730.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.072	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.424	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.897	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.211	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.323	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.104	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.927	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.708	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.116	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.207	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.219	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.927	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: <b>ECOC</b>	Samp Use: <b>Exposure</b>	Set Index: <b>1</b>
Location: <b>Wapasu</b>	Loc ID: <b>WAPS</b>	WBEA ID: <b>210903553</b>
Start Date: <b>2021-09-19 00:00</b>	End Date: <b>2021-09-20 00:00</b>	Duration: <b>24.0 hr</b>

### Notes

None

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Temperature		7.2	°C	
Pressure		705.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.147	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.383	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.477	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.281	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.223	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	1.512	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.289	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.080	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.515	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.372	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.595	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.884	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 210903562
Start Date:	2021-09-19 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2021-09-20 00:00	

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		9.0	°C	
Pressure		725.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.227	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.430	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.541	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.235	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.391	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.179	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.824	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.613	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.206	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.368	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.183	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.395	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.008	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Stony Mountain  
Start Date: 2021-09-19 00:00

Samp Use: Exposure  
Loc ID: STMT  
End Date: 2021-09-20 00:00

Set Index: 1  
WBEA ID: 210903578  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.7	°C	
Pressure		692.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.037	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.236	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.489	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.201	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.247	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.152	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.210	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.116	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.072	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.174	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.094	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.210	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210903618
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.1	°C	
Pressure		693.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.054	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.277	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.496	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.157	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.158	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.091	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.141	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.074	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.039	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.119	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.067	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.141	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903647
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.4	°C	
Pressure		726.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.405	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.447	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.689	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.213	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.143	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.055	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.897	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.809	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.141	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.342	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.340	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.428	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.238	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Wapasu  
Start Date: 2021-09-25 00:00

Samp Use: Exposure  
Loc ID: WAPS  
End Date: 2021-09-26 00:00

Set Index: 1  
WBEA ID: 210903661  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.0	°C	
Pressure		706.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.119	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.438	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.532	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.190	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.476	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.311	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.755	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.590	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.220	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.492	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.235	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.401	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.990	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC      Samp Use: Field Procedure Blank      Set Index: 1  
Location: Wapasu      Loc ID: WAPS      WBEA ID: 210903733  
Start Date: 2021-09-29 10:08      End Date: 2021-09-29 10:09      Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.024	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.077	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.179	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.032	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.025	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.337	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.312	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.004	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.021	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.025	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.337	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Bertha Ganter - Fort McKay  
Start Date: 2021-09-29 10:30

Samp Use: Field Procedure Blank  
Loc ID: BGFM  
End Date: 2021-09-29 10:31

Set Index: 1  
WBEA ID: 210903735  
Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 2	0.049	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 4	0.005	0.037	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.010	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.226	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.216	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.009	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.002	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.010	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.226	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Stony Mountain	Loc ID: STMT	WBEA ID: 210903692
Start Date: 2021-10-01 00:00	End Date: 2021-10-02 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.4	°C	
Pressure		701.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.016	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.279	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.445	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.160	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.112	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	1.012	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.900	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.003	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.109	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.112	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.012	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Wapasu  
Start Date: 2021-10-01 00:00

Samp Use: Exposure  
Loc ID: WAPS  
End Date: 2021-10-02 00:00

Set Index: 1  
WBEA ID: 210903734  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.0	°C	
Pressure		714.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.108	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.428	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.474	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.243	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.344	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.092	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.598	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.346	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.228	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.244	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.128	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.380	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.726	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 210903737
Start Date:	2021-10-01 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2021-10-02 00:00	

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### Notes

None

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Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		12.4	°C	
Pressure		734.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.279	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.495	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.589	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.204	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.355	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.047	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.922	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.614	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.205	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.503	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.353	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.661	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.275	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC      Samp Use: Field Procedure Blank      Set Index: 1  
Location: Stony Mountain      Loc ID: STMT      WBEA ID: 211003820  
Start Date: 2021-10-05 09:30      End Date: 2021-10-05 09:31      Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 2	0.049	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 4	0.005	0.022	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.023	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	0.023	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.023	µg/m <sup>3</sup>	V0
Total Carbon	0.206	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: <b>ECOC</b>	Deployment Information	Set Index: <b>1</b>
Location: <b>Stony Mountain</b>	Samp Use: <b>Exposure</b>	WBEA ID: <b>211003821</b>
Start Date: <b>2021-10-07 00:00</b>	Loc ID: <b>STMT</b>	Duration: <b>24.0 hr</b>
	End Date: <b>2021-10-08 00:00</b>	

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		4.2	°C	
Pressure		699.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.058	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.371	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.732	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.422	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.722	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.483	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.304	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.065	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.452	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.441	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.170	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.409	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.474	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Wapasu	Loc ID: WAPS	WBEA ID: 211003882
Start Date: 2021-10-07 00:00	End Date: 2021-10-08 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.0	°C	
Pressure		711.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.105	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.341	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.364	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.240	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.644	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.572	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.693	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.621	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.354	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.350	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.061	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.133	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.754	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: ECOC	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 211003892	
Start Date: 2021-10-07 00:00	End Date: 2021-10-08 00:00	Duration: 24.0 hr	

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		5.6	°C	
Pressure		732.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.161	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.379	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.696	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.387	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.541	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.488	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.164	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.111	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.279	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.614	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.351	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.404	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.515	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Stony Mountain  
Start Date: 2021-10-13 00:00

Samp Use: Exposure  
Loc ID: STMT  
End Date: 2021-10-14 00:00

Set Index: 1  
WBEA ID: 211003905  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.5	°C	
Pressure		697.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.030	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.144	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.308	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.081	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.108	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.034	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.670	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.596	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.032	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.076	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.074	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.670	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Wapasu	Loc ID: WAPS	WBEA ID: 211003906
Start Date: 2021-10-13 00:00	End Date: 2021-10-14 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.4	°C	
Pressure		710.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.005	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.182	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.242	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.096	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.098	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.623	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.525	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.032	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.066	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.098	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.623	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	ECOC	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 211003933
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration: 24.0 hr

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		5.9	°C	
Pressure		731.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.361	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.427	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.443	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.199	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.400	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.150	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.829	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.579	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.168	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.368	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.136	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.386	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.965	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Wapasu  
Start Date: 2021-10-19 00:00

Samp Use: Exposure  
Loc ID: WAPS  
End Date: 2021-10-20 00:00

Set Index: 1  
WBEA ID: 211003967  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.2	°C	
Pressure		721.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.019	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.192	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.223	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.063	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.045	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.542	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.497	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	0.048	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.005	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.050	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.547	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 211004035
Start Date:	2021-10-19 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2021-10-20 00:00	

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		0.3	°C	
Pressure		742.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.428	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.818	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.706	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.329	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.512	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.346	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.794	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.627	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.364	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.746	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.597	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.764	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.391	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Stony Mountain	Loc ID: STMT	WBEA ID: 211004294
Start Date: 2021-10-19 00:00	End Date: 2021-10-20 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.6	°C	
Pressure		707.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.072	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.149	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.260	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.117	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.130	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.044	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.728	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.642	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.074	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.056	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.086	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.728	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	211004428
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.6	°C	
Pressure		701.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.011	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.218	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.321	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.098	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.050	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.050	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.698	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.698	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	0.050	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	0.698	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: ECOC	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 211004436	
Start Date: 2021-10-25 00:00	End Date: 2021-10-26 00:00	Duration: 24.0 hr	

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		5.9	°C	
Pressure		722.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.150	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.391	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.419	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.175	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.306	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.153	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.440	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.288	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.094	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.250	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.038	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.191	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.479	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Stony Mountain	Loc ID: STMT	WBEA ID: 211004449
Start Date: 2021-10-25 00:00	End Date: 2021-10-26 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.9	°C	
Pressure		687.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.020	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.175	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.250	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.117	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.289	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.264	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.852	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.827	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.106	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.196	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.012	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.037	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.864	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Stony Mountain  
Start Date: 2021-10-31 00:00

Samp Use: Exposure  
Loc ID: STMT  
End Date: 2021-11-01 00:00

Set Index: 1  
WBEA ID: 211004617  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.4	°C	
Pressure		708.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.026	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.134	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.214	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.066	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.102	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.095	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.542	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.535	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.031	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.071	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.007	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.542	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Wapasu  
Start Date: 2021-10-31 00:00

Samp Use: Exposure  
Loc ID: WAPS  
End Date: 2021-11-01 00:00

Set Index: 1  
WBEA ID: 211004640  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.7	°C	
Pressure		722.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.007	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.260	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.292	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.106	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.154	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.820	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.665	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.161	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.300	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.307	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.461	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.126	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211004657
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.2	°C	
Pressure		744.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.200	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.562	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.659	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.313	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.430	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.331	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.164	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.065	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.276	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.487	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.333	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.432	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.497	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC      Samp Use: Field Procedure Blank      Set Index: 1  
Location: Wapasu      Loc ID: WAPS      WBEA ID: 211104727  
Start Date: 2021-11-02 08:27      End Date: 2021-11-02 08:28      Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.012	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.094	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 4	0.005	0.005	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.224	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.224	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	0.224	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Stony Mountain  
Start Date: 2021-11-02 11:00

Samp Use: Field Procedure Blank  
Loc ID: STMT  
End Date: 2021-11-02 11:01

Set Index: 1  
WBEA ID: 211104730  
Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.008	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.071	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 4	0.005	0.005	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	0.004	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type: ECOC	Deployment Information	Samp Use: Field Procedure Blank	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 211104770	
Start Date: 2021-11-03 14:15	End Date: 2021-11-03 14:16	Duration: 0.0 hr	

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### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

---

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 2	0.049	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 4	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	0.002	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	ECOC	Samp Use:	Exposure	Set Index: 1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID: 211104728
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration: 24.0 hr

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		1.4	°C	
Pressure		728.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.091	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.368	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.382	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.228	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.360	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.273	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.429	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.342	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.183	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.394	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.217	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.305	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.647	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	211104731
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.1	°C	
Pressure		692.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.066	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.254	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.566	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.261	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.430	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.268	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.577	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.415	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.298	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.182	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.051	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.213	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.627	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 211104774
Start Date:	2021-11-06 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2021-11-07 00:00	

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		1.0	°C	
Pressure		726.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.207	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.444	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.617	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.290	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.281	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.184	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.839	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.742	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.124	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.495	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.337	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.435	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.176	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Wapasu  
Start Date: 2021-11-12 00:00

Samp Use: Exposure  
Loc ID: WAPS  
End Date: 2021-11-13 00:00

Set Index: 1  
WBEA ID: 211104848  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.5	°C	
Pressure		721.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.055	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.130	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.265	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.115	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.159	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.094	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.724	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.659	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.104	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.062	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.006	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.071	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.730	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 211104854
Start Date:	2021-11-12 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2021-11-13 00:00	

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		-2.2	°C	
Pressure		734.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.130	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.371	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.493	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.196	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.371	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.243	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.560	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.433	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.410	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.149	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.188	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.315	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.748	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	ECOC	Samp Use:	Exposure	Set Index: 1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID: 211104867
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration: 24.0 hr

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		-4.1	°C	
Pressure		699.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.080	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.276	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.510	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.254	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.393	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.149	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.513	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.269	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.273	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.153	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.033	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.277	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.546	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Wapasu  
Start Date: 2021-11-18 00:00

Samp Use: Exposure  
Loc ID: WAPS  
End Date: 2021-11-19 00:00

Set Index: 1  
WBEA ID: 211104908  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.5	°C	
Pressure		709.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.130	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.449	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.022	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.537	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.693	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.422	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.831	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.560	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.497	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.462	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.266	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.537	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.097	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211104920
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.0	°C	
Pressure		730.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.352	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.797	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	1.205	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.676	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.865	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.477	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	3.895	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	3.507	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	1.398	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.615	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	1.149	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	1.537	µg/m <sup>3</sup>	V0
Total Carbon	0.206	5.043	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Stony Mountain	Loc ID: STMT	WBEA ID: 211104964
Start Date: 2021-11-18 00:00	End Date: 2021-11-19 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.8	°C	
Pressure		696.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.109	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.304	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.939	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.539	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.815	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.622	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.705	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.512	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.819	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.173	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.178	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.371	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.882	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 211104992
Start Date: 2021-11-24 00:00	End Date: 2021-11-25 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		741.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.400	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.437	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.388	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.162	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.272	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.043	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.659	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.431	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.227	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.597	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.552	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.781	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.211	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	ECOC	Samp Use:	Exposure	Set Index: 1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID: 211105010
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration: 24.0 hr

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		718.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.063	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.166	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.240	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.137	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.175	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.145	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.782	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.752	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.102	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.072	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.030	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.782	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Stony Mountain	Loc ID: STMT	WBEA ID: 211105014
Start Date: 2021-11-24 00:00	End Date: 2021-11-25 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C	
Pressure		704.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.094	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.194	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.373	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.173	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.247	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.168	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.081	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.003	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.207	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.115	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.075	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.154	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.156	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 211105057
Start Date:	2021-11-30 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2021-12-01 00:00	

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### Notes

None

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Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		-8.1	°C	
Pressure		726.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.362	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.710	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.820	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.459	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.409	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.212	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.760	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.563	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.806	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.945	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	1.342	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	1.538	µg/m <sup>3</sup>	V0
Total Carbon	0.206	4.102	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	211105072
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.6	°C	
Pressure		691.4	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.087	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.289	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.512	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.253	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.276	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.160	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.418	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.302	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.167	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.121	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.012	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.128	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.429	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	ECOC	Samp Use:	Exposure	Set Index: 1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID: 211105091
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration: 24.0 hr

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		-5.8	°C	
Pressure		704.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.116	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.265	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.356	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.164	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.296	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.131	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.198	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.033	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.171	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.279	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.154	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.319	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.352	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: ECOC	Samp Use: Field Procedure Blank	Set Index: 1
Location: Stony Mountain	Loc ID: STMT	WBEA ID: 211205101
Start Date: 2021-12-01 11:35	End Date: 2021-12-01 11:36	Duration: 0.0 hr

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### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

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### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.012	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 3	0.147	0.291	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.073	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.069	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.485	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.416	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.022	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.047	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.069	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.485	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC      Samp Use: Field Procedure Blank      Set Index: 1  
Location: Wapasu      Loc ID: WAPS      WBEA ID: 211205141  
Start Date: 2021-12-03 12:40      End Date: 2021-12-03 12:41      Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.004	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 3	0.147	0.194	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.036	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.033	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.306	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.273	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.004	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.030	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.033	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.306	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Bertha Ganter - Fort McKay  
Start Date: 2021-12-03 15:45

Samp Use: Field Procedure Blank  
Loc ID: BGFM  
End Date: 2021-12-03 15:46

Set Index: 1  
WBEA ID: 211205149  
Duration: 0.0 hr

### Notes

Field Flag: 'B', Field Blank.  
Analysis Flag: 'b1', Field/-dynamic blank.

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.007	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m <sup>3</sup>	V1
Organic Carbon Fraction 4	0.005	0.008	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.192	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	0.002	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	-8888	µg/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	ECOC	Samp Use:	Exposure	Set Index: 1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID: 211205102
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration: 24.0 hr

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		698.1	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.080	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.203	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.579	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.215	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.267	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.270	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.344	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.348	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.167	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.103	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Total Carbon	0.206	1.348	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	211205142
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		709.3	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.127	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.376	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.464	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.276	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.648	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.420	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.892	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.663	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.417	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.375	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.143	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.372	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.035	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205150
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		735.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.384	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.753	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.742	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.426	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.676	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.305	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.981	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.610	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.953	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.468	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.746	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	1.117	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.727	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	211205176
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C	
Pressure		697.7	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.128	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.239	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.755	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.345	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.509	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.213	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.975	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.679	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.456	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.296	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.244	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.539	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.218	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	211205183
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.2	°C	
Pressure		686.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.170	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.332	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.591	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.328	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.409	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.285	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.830	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.706	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.365	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.179	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.135	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.259	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.965	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205234
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		721.8	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.299	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.678	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.604	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.316	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.425	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.263	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.323	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.161	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.424	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.592	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.590	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.752	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.913	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Stony Mountain  
Start Date: 2021-12-18 00:00

Samp Use: Exposure  
Loc ID: STMT  
End Date: 2021-12-19 00:00

Set Index: 1  
WBEA ID: 211205288  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		696.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.208	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.371	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.814	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.429	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.724	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.614	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.545	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.435	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.724	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.091	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.091	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.201	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.636	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Wapasu	Loc ID: WAPS	WBEA ID: 211205295
Start Date: 2021-12-18 00:00	End Date: 2021-12-19 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-21.0	°C	
Pressure		708.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.211	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.366	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.858	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.413	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.807	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.648	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	2.655	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	2.497	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.824	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.184	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.201	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.360	µg/m <sup>3</sup>	V0
Total Carbon	0.206	2.856	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: ECOC	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 211205306	
Start Date: 2021-12-18 00:00	End Date: 2021-12-19 00:00	Duration: 24.0 hr	

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		-24.0	°C	
Pressure		733.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.557	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.651	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.898	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.656	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.846	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.540	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	3.608	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	3.302	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.991	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.211	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.356	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.661	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.964	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	211205360
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		691.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.062	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.105	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.167	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.085	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.088	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.506	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.419	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental Carbon Fraction 2	0.002	0.088	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, reflectance	0.005	0.088	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.506	µg/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: ECOC	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 211205375	
Start Date: 2021-12-24 00:00	End Date: 2021-12-25 00:00	Duration: 24.0 hr	

### Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		730.0	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.178	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.190	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.435	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.265	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.282	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.159	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	1.349	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	1.227	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.282	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.266	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.266	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.389	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.615	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	211205395
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-27.0	°C	
Pressure		704.5	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.222	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.166	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.198	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.071	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.059	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m <sup>3</sup>	V1
Organic carbon, thermal method, transmittance	0.191	0.715	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.656	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.083	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.205	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.228	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.287	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.943	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Wapasu	Loc ID: WAPS	WBEA ID: 211205450
Start Date: 2021-12-30 00:00	End Date: 2021-12-31 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-32.0	°C	
Pressure		707.9	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.236	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.213	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.273	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.132	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.129	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.017	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.983	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.870	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.100	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.220	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.191	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.303	µg/m <sup>3</sup>	V0
Total Carbon	0.206	1.173	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC  
Location: Stony Mountain  
Start Date: 2021-12-30 00:00

Samp Use: Exposure  
Loc ID: STMT  
End Date: 2021-12-31 00:00

Set Index: 1  
WBEA ID: 211205471  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-28.0	°C	
Pressure		694.2	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.156	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.199	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.285	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.086	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.077	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.024	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	0.802	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	0.749	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.042	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.086	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.051	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.104	µg/m <sup>3</sup>	V0
Total Carbon	0.206	0.853	µg/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 211205495
Start Date: 2021-12-30 00:00	End Date: 2021-12-31 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-33.0	°C	
Pressure		733.6	mmHg	
Sample Volume		24.0	m <sup>3</sup>	V0
Organic Carbon Fraction 1	0.002	0.640	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 2	0.049	0.721	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 3	0.147	0.865	µg/m <sup>3</sup>	V0
Organic Carbon Fraction 4	0.005	0.481	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.404	µg/m <sup>3</sup>	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.323	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, transmittance	0.191	3.112	µg/m <sup>3</sup>	V0
Organic carbon, thermal method, reflectance	0.191	3.031	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 1	0.002	0.901	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 2	0.002	0.259	µg/m <sup>3</sup>	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m <sup>3</sup>	V1
Elemental carbon, thermal method, transmittance	0.005	0.756	µg/m <sup>3</sup>	V0
Elemental carbon, thermal method, reflectance	0.005	0.837	µg/m <sup>3</sup>	V0
Total Carbon	0.206	3.867	µg/m <sup>3</sup>	V0



## **WOOD BUFFALO ENVIRONMENTAL ASSOCIATION**

### **INTEGRATED MONITORING PROGRAM ANNUAL REPORT**

### **POLYCYCLIC AROMATIC HYDROCARBONS DATA RESULTS 2021**

Prepared  
March 2022

#### **SAMPLE COLLECTION AND DATA COMPILATION BY:**

**Wood Buffalo Environmental Association**  
Fort McMurray, Alberta

#### **LABORATORY ANALYSIS BY:**

Total PAHs: Air Zone One Incorporated  
Mississauga, Ontario



CONTENTS DESCRIPTION	Results of PAH - Speciated PAH Gas + Particle Phase Measurements
SAMPLE PERIOD	24 hour
SAMPLING INTERVAL	Once every 6 days
UNITS	ng/m <sup>3</sup> (nanogram per cubic meter)
OBSERVATION TYPE	Particles + gas
FIELD SAMPLING OR MEASUREMENT PRINCIPLE	filtration and adsorbent
PARTICLE DIAMETER	TSP (total suspended particle)
MEDIUM	a glass fiber filter + PUF/XAD-2/PUF
ANALYTICAL METHOD	Gas Chromatograph/Mass Spectrometer (GC/MS)
SAMPLE PREPARATION	Solvent Extraction
ANALYTICAL LABORATORY	AIRZONE One Inc.
USER NOTE 1	Data are recovery corrected and samples are corrected with a lab blank and an internal standard.
USER NOTE 2	Volume is given at actual conditions of temperature and pressure during sampling as measured by the sampler
USER NOTE 3	Values flagged V1 are displayed as -8888
VOLUME STANDARDIZATION	Actual Volume at Ambient Conditions
SAMPLING INSTRUMENT TYPE	Tisch TE-1000 High-Volume Sampler
<b>FLAGS USED</b>	
V0	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V4	Valid value despite failing to meet some QC or statistical criteria
V5	Valid value but qualified because of possible contamination
V6	Valid value but qualified due to non-standard sampling conditions
M1	Missing value because no value is available
M2	Missing value because invalidated by Data Originator



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100006
Start Date:	2021-01-03 10:00	End Date:	2021-01-03 10:01	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.167	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.142	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.128	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.083	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.052	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.008	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.007	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100046	
Start Date:	2021-01-03 14:50	End Date:	2021-01-03 14:51	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.306	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.262	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.233	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.144	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.060	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.020	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.013	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.015	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100047
Start Date:	2021-01-04 00:00	End Date:	2021-01-04 00:02	Duration:	0.0 hr

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### Notes

Lab reported values with 316 m3 SV. Field reported 0.12 m3. True SV unknown.  
Sampler had flowrange warning upon collection of sample. Reset power. Sampler operation seems fine now.

---

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		-9999	m <sup>3</sup>	M2
Naphthalene	0.001	-9999	ng/m <sup>3</sup>	M2
Acenaphthylene	0.001	-9999	ng/m <sup>3</sup>	M2
Acenaphthene	0.001	-9999	ng/m <sup>3</sup>	M2
Fluorene	0.001	-9999	ng/m <sup>3</sup>	M2
Phenanthrene	0.001	-9999	ng/m <sup>3</sup>	M2
Anthracene	0.001	-9999	ng/m <sup>3</sup>	M2
Acridine	0.001	-9999	ng/m <sup>3</sup>	M2
Fluoranthene	0.001	-9999	ng/m <sup>3</sup>	M2
Pyrene	0.001	-9999	ng/m <sup>3</sup>	M2
Benzo(c)phenanthrene	0.001	-9999	ng/m <sup>3</sup>	M2
Benzo(a)anthracene	0.001	-9999	ng/m <sup>3</sup>	M2
Chrysene	0.001	-9999	ng/m <sup>3</sup>	M2
7,12-Dimethylbenz(a)anthracene	0.001	-9999	ng/m <sup>3</sup>	M2
Benzo(b)fluoranthene	0.001	-9999	ng/m <sup>3</sup>	M2
Benzo(k)fluoranthene	0.001	-9999	ng/m <sup>3</sup>	M2
Benzo(a)pyrene	0.001	-9999	ng/m <sup>3</sup>	M2
3-Methylcholanthrene	0.001	-9999	ng/m <sup>3</sup>	M2
Indeno(123-cd)pyrene	0.001	-9999	ng/m <sup>3</sup>	M2
Dibenz(a,h)anthracene	0.001	-9999	ng/m <sup>3</sup>	M2
Benzo(ghi)perylene	0.001	-9999	ng/m <sup>3</sup>	M2
Dibenzo(a,l)pyrene	0.001	-9999	ng/m <sup>3</sup>	M2
Dibenzo(a,i)pyrene	0.001	-9999	ng/m <sup>3</sup>	M2
Dibenzo(a,h)pyrene	0.001	-9999	ng/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-01-04 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-01-05 00:00

Set Index: 1  
WBEA ID: 210100034  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		717.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	23.1	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.19	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.59	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.50	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	6.01	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.03	ng/m <sup>3</sup>	V0
Acridine	0.001	0.048	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.938	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.07	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.067	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.170	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.401	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.247	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.247	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.190	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.039	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.031	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-01-04 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-01-05 00:00

Set Index: 1  
WBEA ID: 210100018  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		727.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	11.0	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.04	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.04	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.620	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.05	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.328	ng/m <sup>3</sup>	V0
Acridine	0.001	0.025	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.398	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.620	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.031	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.119	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.267	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.139	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.139	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.244	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.028	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-01-04 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-01-05 00:00

Set Index: 2  
WBEA ID: 210100019  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		727.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	13.2	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.25	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.08	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.737	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.10	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.345	ng/m <sup>3</sup>	V0
Acridine	0.001	0.032	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.405	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.618	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.124	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.279	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.135	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.135	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.260	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.035	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-01-04 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-01-05 00:00

Set Index: 1  
WBEA ID: 210100005  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C	
Pressure		705.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.32	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.03	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.690	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.76	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.367	ng/m <sup>3</sup>	V0
Acridine	0.001	0.016	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.209	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.243	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.084	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.135	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.212	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.212	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.100	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.027	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.035	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100021
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-7.3	°C	
Pressure		699.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	24.0	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.46	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.853	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.965	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.20	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.654	ng/m <sup>3</sup>	V0
Acridine	0.001	0.025	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.610	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.783	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.049	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.127	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.297	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.190	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.190	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.210	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.046	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210100038
Start Date:	2021-01-04 00:00	End Date:	2021-01-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		708.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	26.4	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.62	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.659	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.946	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.50	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.891	ng/m <sup>3</sup>	V0
Acridine	0.001	0.041	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.908	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.798	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.083	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.195	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.496	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.346	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.346	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.253	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.049	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100076	
Start Date:	2021-01-06 13:05	End Date:	2021-01-06 13:06	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.360	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.191	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.153	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.074	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.028	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.010	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100104
Start Date:	2021-01-07 13:50	End Date:	2021-01-07 13:51	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.229	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.117	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.079	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.055	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.030	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Acridine	0.001	0.002	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.003	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-01-10 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-01-11 00:00

Set Index: 1  
WBEA ID: 210100120  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.4	°C	
Pressure		722.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	21.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	9.16	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.26	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.68	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	6.30	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.56	ng/m <sup>3</sup>	V0
Acridine	0.001	0.021	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	2.16	ng/m <sup>3</sup>	V0
Pyrene	0.001	2.28	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.028	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.348	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.794	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.035	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.085	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.295	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.083	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.069	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.035	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-01-10 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-01-11 00:00

Set Index: 1  
WBEA ID: 210100095  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C	
Pressure		732.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	14.0	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.24	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.953	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.82	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.71	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.36	ng/m <sup>3</sup>	V0
Acridine	0.001	0.020	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.30	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.30	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.034	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.237	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.220	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.036	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.081	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.127	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.088	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.047	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.026	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100069
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.1	°C	
Pressure		710.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	20.7	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	11.7	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.20	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.05	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	6.51	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.948	ng/m <sup>3</sup>	V0
Acridine	0.001	0.063	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.58	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.52	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.033	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.723	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.668	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.039	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.061	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.187	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.093	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.026	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100105
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.6	°C	
Pressure		706.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	22.5	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.43	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.580	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.90	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	6.53	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.590	ng/m <sup>3</sup>	V0
Acridine	0.001	0.005	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.09	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.08	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.032	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.715	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.661	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.043	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.091	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.313	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.088	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.058	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.068	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210100118
Start Date:	2021-01-10 00:00	End Date:	2021-01-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.5	°C	
Pressure		714.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	13.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.49	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.281	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.17	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.95	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.263	ng/m <sup>3</sup>	V0
Acridine	0.001	0.042	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.387	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.346	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.029	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.349	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.322	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.051	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.072	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.225	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.076	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.064	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.050	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Janvier  
Start Date: 2021-01-11 14:35

Samp Use: Field Procedure Blank  
Loc ID: JANV  
End Date: 2021-01-11 14:36

Set Index: 1  
WBEA ID: 210100141  
Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.252	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.141	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.125	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.047	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.062	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Acridine	0.001	0.002	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.002	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Bertha Ganter - Fort McKay  
Start Date: 2021-01-12 11:30

Samp Use: Exposure  
Loc ID: BGFM  
End Date: 2021-01-13 11:30

Set Index: 1  
WBEA ID: 210100077  
Duration: 24.0 hr

### Notes

Sample start/end date not on NAPS day due to dead motor. Motor has been replaced.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.7	°C	
Pressure		721.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	15.0	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.18	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.38	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.28	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	6.09	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.82	ng/m <sup>3</sup>	V0
Acridine	0.001	0.056	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.64	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.65	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.845	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.749	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.086	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.123	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.123	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.093	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.044	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.025	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.026	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.026	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-01-13 14:30

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-01-14 14:30

Set Index: 2  
WBEA ID: 210100096  
Duration: 24.0 hr

### Notes

Sample start/end date not on NAPS day due to dead motor. Motor has been replaced.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.2	°C	
Pressure		732.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	14.3	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.20	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.980	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.77	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.62	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.41	ng/m <sup>3</sup>	V0
Acridine	0.001	0.028	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.22	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.36	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.039	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.231	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.213	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.038	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.086	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.142	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.087	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.050	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.029	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100178	
Start Date:	2021-01-15 11:25	End Date:	2021-01-16 11:26	Duration:	24.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.406	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.187	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.156	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.073	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.036	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Acridine	0.001	0.002	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.008	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2021-01-16 00:00	Loc ID:	BGFM
		End Date:	2021-01-17 00:00
		Set Index:	1
		WBEA ID:	210100181
		Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-2.9	°C	
Pressure		731.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	5.27	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.88	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.12	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.69	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.331	ng/m <sup>3</sup>	V0
Acridine	0.001	0.049	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.258	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.269	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.127	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.115	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.154	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.076	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.076	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.041	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.051	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.065	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.052	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.039	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-01-16 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-01-17 00:00

Set Index: 1  
WBEA ID: 210100173  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.7	°C	
Pressure		723.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	1.42	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.13	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.31	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.53	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	5.34	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.799	ng/m <sup>3</sup>	V0
Acridine	0.001	0.023	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.742	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.774	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.516	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.475	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.063	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.125	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.251	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.090	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.023	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.106	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.198	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-01-16 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-01-17 00:00

Set Index: 1  
WBEA ID: 210100175  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.4	°C	
Pressure		732.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	13.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.44	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.05	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.889	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.83	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.598	ng/m <sup>3</sup>	V0
Acridine	0.001	0.048	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.355	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.377	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.033	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.295	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.271	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.091	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.127	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.127	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.071	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.025	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.040	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.026	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-01-16 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-01-17 00:00

Set Index: 2  
WBEA ID: 210100176  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.4	°C	
Pressure		732.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	13.1	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.76	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.08	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.843	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.73	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.612	ng/m <sup>3</sup>	V0
Acridine	0.001	0.047	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.313	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.367	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.025	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.257	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.236	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.089	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.123	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.123	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.073	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.022	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.040	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.021	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-01-16 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-01-17 00:00

Set Index: 1  
WBEA ID: 210100162  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.5	°C	
Pressure		710.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	12.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.44	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.26	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.924	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.15	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.316	ng/m <sup>3</sup>	V0
Acridine	0.001	0.015	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.226	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.166	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.089	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.082	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.071	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.054	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.054	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.040	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.026	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.023	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100131
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.3	°C	
Pressure		706.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	7.00	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.09	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.333	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.497	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.75	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.287	ng/m <sup>3</sup>	V0
Acridine	0.001	0.028	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.352	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.352	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.144	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.132	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.029	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.098	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.098	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.037	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.020	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.019	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.055	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210100143
Start Date:	2021-01-16 00:00	End Date:	2021-01-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.5	°C	
Pressure		713.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	11.2	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.67	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.416	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.810	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.09	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.225	ng/m <sup>3</sup>	V0
Acridine	0.001	0.028	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.448	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.384	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.031	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.247	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.227	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.085	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.179	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.179	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.101	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.043	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.129	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100196	
Start Date:	2021-01-18 13:15	End Date:	2021-01-18 13:16	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.399	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.215	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.223	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.126	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.063	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Acridine	0.001	0.004	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.014	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210100253
Start Date:	2021-01-20 15:10	End Date:	2021-01-20 15:11	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.228	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.150	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.112	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.048	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.023	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Acridine	0.001	0.001	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.002	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(b)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2021-01-22 00:00	Loc ID:	BGFM
		End Date:	2021-01-23 00:00
		Set Index:	1
		WBEA ID:	210100197
		Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-17.0	°C	
Pressure		736.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	5.25	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	5.63	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.41	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.765	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.47	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.158	ng/m <sup>3</sup>	V0
Acridine	0.001	0.040	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.338	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.360	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.127	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.113	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.208	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.055	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.055	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.062	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.028	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.033	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-01-22 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-01-23 00:00

Set Index: 1  
WBEA ID: 210100254  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		727.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	15.2	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.31	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.06	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.819	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.06	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.476	ng/m <sup>3</sup>	V0
Acridine	0.001	0.081	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.486	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.547	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.033	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.300	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.276	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.136	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.108	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.107	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.070	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.027	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-01-22 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-01-23 00:00

Set Index: 1  
WBEA ID: 210100236  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C	
Pressure		737.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	8.17	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.99	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.604	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.373	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.10	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.187	ng/m <sup>3</sup>	V0
Acridine	0.001	0.054	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.241	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.253	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.144	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.133	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.128	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.066	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.066	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.063	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.022	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-01-22 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-01-23 00:00

Set Index: 2  
WBEA ID: 210100237  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C	
Pressure		737.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	8.41	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.07	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.644	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.359	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.05	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.131	ng/m <sup>3</sup>	V0
Acridine	0.001	0.056	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.236	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.252	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.169	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.155	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.110	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.068	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.068	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.063	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.022	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100243
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		714.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	3.59	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.29	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.721	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.489	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.25	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.198	ng/m <sup>3</sup>	V0
Acridine	0.001	0.042	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.195	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.169	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.108	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.099	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.081	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.072	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.072	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.059	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.020	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210100206
Start Date:	2021-01-22 00:00	End Date:	2021-01-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C	
Pressure		708.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	8.96	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.42	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.737	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.691	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.17	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.463	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.392	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.367	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.038	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.328	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.302	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.128	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.227	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.098	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.078	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.058	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.042	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Janvier  
Start Date: 2021-01-22 00:00

Samp Use: Exposure  
Loc ID: JANV  
End Date: 2021-01-23 00:00

Set Index: 1  
WBEA ID: 210100212  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C	
Pressure		717.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.25	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.928	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.266	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.351	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.01	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.147	ng/m <sup>3</sup>	V0
Acridine	0.001	0.029	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.153	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.140	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.063	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.057	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.062	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.040	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.040	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.027	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100264	
Start Date:	2021-01-26 14:10	End Date:	2021-01-26 14:11	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.353	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.212	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.159	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.098	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.042	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.010	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-01-27 13:25

Samp Use: Field Procedure Blank  
Loc ID: ATHV  
End Date: 2021-01-27 13:26

Set Index: 1  
WBEA ID: 210100306  
Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.294	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.168	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.090	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.055	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.040	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Acridine	0.001	0.002	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Chrysene	0.001	-8888	ng/m <sup>3</sup>	V1
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Bertha Ganter - Fort McKay  
Start Date: 2021-01-28 00:00

Samp Use: Exposure  
Loc ID: BGFM  
End Date: 2021-01-29 00:00

Set Index: 1  
WBEA ID: 210100291  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		737.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.7	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	5.80	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.45	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.798	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.85	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.304	ng/m <sup>3</sup>	V0
Acridine	0.001	0.050	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.369	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.948	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.729	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.426	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.177	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.149	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.149	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.096	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.023	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.036	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.021	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.021	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210200400
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		729.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	19.1	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.30	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.956	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.25	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.64	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.664	ng/m <sup>3</sup>	V0
Acridine	0.001	0.017	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.564	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.659	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.029	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.410	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.483	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.159	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.267	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.267	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.092	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.039	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.036	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-01-28 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-01-29 00:00

Set Index: 1  
WBEA ID: 210100300  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		739.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	13.7	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.80	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.841	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.908	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.55	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.411	ng/m <sup>3</sup>	V0
Acridine	0.001	0.057	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.446	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.562	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.553	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.509	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.114	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.094	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.094	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.076	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.032	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-01-28 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-01-29 00:00

Set Index: 2  
WBEA ID: 210100301  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		739.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	13.0	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.80	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.770	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.857	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.25	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.467	ng/m <sup>3</sup>	V0
Acridine	0.001	0.059	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.433	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.605	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.495	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.460	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.102	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.080	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.080	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.074	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.033	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.019	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-01-28 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-01-29 00:00

Set Index: 1  
WBEA ID: 210100280  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		715.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.63	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.44	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.424	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.446	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.59	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.253	ng/m <sup>3</sup>	V0
Acridine	0.001	0.037	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.180	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.252	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.190	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.175	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.117	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.062	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.062	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.057	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.024	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200399
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

### Notes

Snow found on filter upon collection of the sample.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		710.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	12.2	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.38	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.436	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.428	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.64	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.184	ng/m <sup>3</sup>	V0
Acridine	0.001	0.020	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.265	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.256	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.203	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.187	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.078	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.040	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.040	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.045	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.022	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210100293
Start Date:	2021-01-28 00:00	End Date:	2021-01-29 00:00	Duration:	24.0 hr

### Notes

Snow found on filter upon collection of the sample.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		718.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	7.22	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.53	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.375	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.500	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.46	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.148	ng/m <sup>3</sup>	V0
Acridine	0.001	0.021	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.346	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.316	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.035	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.292	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.269	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.084	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.050	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.050	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.060	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.030	ng/m <sup>3</sup>	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-01-29 12:00

Samp Use: Field Procedure Blank  
Loc ID: ANZC  
End Date: 2021-01-29 12:01

Set Index: 1  
WBEA ID: 210100347  
Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.297	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.040	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.068	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.063	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.053	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.004	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200371	
Start Date:	2021-02-01 11:55	End Date:	2021-02-01 11:56	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.717	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.209	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.175	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.134	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.068	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.021	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.017	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.017	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200372
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-18.0	°C	
Pressure		737.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	12.1	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.57	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.584	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.458	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.20	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.430	ng/m <sup>3</sup>	V0
Acridine	0.001	0.056	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.219	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.310	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.247	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.338	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.107	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.107	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.056	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.031	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.029	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.019	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-02-03 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-02-04 00:00

Set Index: 1  
WBEA ID: 210100362  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		729.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	31.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.91	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.11	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.76	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	5.76	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.437	ng/m <sup>3</sup>	V0
Acridine	0.001	0.089	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.528	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.682	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.205	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.407	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.205	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.205	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.065	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.022	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.037	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210100355
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-18.0	°C	
Pressure		739.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	19.2	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.70	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.750	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.21	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.22	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.494	ng/m <sup>3</sup>	V0
Acridine	0.001	0.098	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.264	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.478	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.203	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.375	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.118	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.118	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.054	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.035	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210100356
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-18.0	°C	
Pressure		739.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	20.5	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.10	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.932	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.20	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.35	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.602	ng/m <sup>3</sup>	V0
Acridine	0.001	0.098	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.237	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.475	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.208	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.411	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.127	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.127	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.051	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.043	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210100348
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		715.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.13	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.24	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.419	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.687	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.53	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.176	ng/m <sup>3</sup>	V0
Acridine	0.001	0.017	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.085	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.132	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.122	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.246	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.086	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.086	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.056	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.025	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200390
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		709.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	26.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.04	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.622	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.07	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	5.32	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.769	ng/m <sup>3</sup>	V0
Acridine	0.001	0.031	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.707	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.809	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.377	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.437	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.150	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.150	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.075	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.027	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200397
Start Date:	2021-02-03 00:00	End Date:	2021-02-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		717.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	7.26	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.49	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.485	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.953	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.00	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.120	ng/m <sup>3</sup>	V0
Acridine	0.001	0.010	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.227	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.266	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.193	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.226	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.117	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.117	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.051	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200417
Start Date:	2021-02-05 12:00	End Date:	2021-02-05 12:01	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.223	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.076	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.093	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.036	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.042	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Acridine	0.001	0.001	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.009	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.005	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.001	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200442	
Start Date:	2021-02-08 13:00	End Date:	2021-02-08 13:01	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.501	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.141	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.125	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.117	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.054	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.017	ng/m <sup>3</sup>	V0
Acridine	0.001	0.004	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.015	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2021-02-09 00:00	Loc ID:	BGFM
		End Date:	2021-02-10 00:00
		Set Index:	1
		WBEA ID:	210200443
		Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-26.0	°C	
Pressure		743.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	12.2	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.84	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.30	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.456	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.967	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.173	ng/m <sup>3</sup>	V0
Acridine	0.001	0.034	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.210	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.362	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.018	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.081	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.024	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.118	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.118	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.061	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.021	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.024	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210200406
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		735.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	13.7	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.40	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.456	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.631	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.26	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.140	ng/m <sup>3</sup>	V0
Acridine	0.001	0.002	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.182	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.415	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.104	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.136	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.080	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.080	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.065	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.038	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-02-09 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-02-10 00:00

Set Index: 1  
WBEA ID: 210200455  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C	
Pressure		745.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	22.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.60	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.522	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.644	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.94	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.189	ng/m <sup>3</sup>	V0
Acridine	0.001	0.015	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.265	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.545	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.067	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.238	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.090	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.090	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.062	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.029	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-02-09 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-02-10 00:00

Set Index: 2  
WBEA ID: 210200456  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C	
Pressure		745.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	24.3	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.51	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.527	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.710	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.86	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.201	ng/m <sup>3</sup>	V0
Acridine	0.001	0.014	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.308	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.605	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.075	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.285	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.098	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.098	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.064	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.033	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-02-09 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-02-10 00:00

Set Index: 1  
WBEA ID: 210200449  
Duration: 24.0 hr

### Notes

Snow found on filter upon collection of the sample.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-26.0	°C	
Pressure		720.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.2	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.36	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.336	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.744	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.69	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.226	ng/m <sup>3</sup>	V0
Acridine	0.001	0.004	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.224	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.402	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.061	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.268	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.141	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.141	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.077	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200418
Start Date:	2021-02-09 00:00	End Date:	2021-02-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-24.6	°C	
Pressure		724.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	11.2	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.56	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.302	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.451	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.72	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.270	ng/m <sup>3</sup>	V0
Acridine	0.001	0.015	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.226	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.246	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.075	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.249	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.089	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.089	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.064	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.028	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Janvier  
Start Date: 2021-02-09 00:00

Samp Use: Exposure  
Loc ID: JANV  
End Date: 2021-02-10 00:00

Set Index: 1  
WBEA ID: 210200421  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		724.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	9.14	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.17	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.473	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.311	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.92	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.151	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.106	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.180	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.131	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.089	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.089	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.045	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Janvier  
Start Date: 2021-02-10 13:57

Samp Use: Field Procedure Blank  
Loc ID: JANV  
End Date: 2021-02-10 13:58

Set Index: 1  
WBEA ID: 210200488  
Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.432	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.081	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.060	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.043	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.044	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Acridine	0.001	0.004	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.013	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.006	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.001	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200503	
Start Date:	2021-02-11 15:10	End Date:	2021-02-11 15:11	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.593	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.171	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.133	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.124	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.072	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.019	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.013	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Bertha Ganter - Fort McKay  
Start Date: 2021-02-15 00:00

Samp Use: Exposure  
Loc ID: BGFM  
End Date: 2021-02-16 00:00

Set Index: 1  
WBEA ID: 210200504  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		733.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	11.5	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.67	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.809	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.691	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.67	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.894	ng/m <sup>3</sup>	V0
Acridine	0.001	0.062	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.409	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.372	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.732	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.283	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.121	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.121	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.079	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.019	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.024	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-02-15 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-02-16 00:00

Set Index: 1  
WBEA ID: 210200494  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		725.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	40.1	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.17	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.795	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.49	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	11.8	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.72	ng/m <sup>3</sup>	V0
Acridine	0.001	0.019	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.58	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.72	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.023	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.778	ng/m <sup>3</sup>	V0
Chrysene	0.001	1.26	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	1.07	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	1.07	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.084	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.024	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.019	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-02-15 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-02-16 00:00

Set Index: 1  
WBEA ID: 210200475  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		735.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	50.4	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.73	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.07	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.12	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	6.43	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.18	ng/m <sup>3</sup>	V0
Acridine	0.001	0.028	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.835	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.848	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.402	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.295	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.187	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.187	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.068	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.029	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-02-15 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-02-16 00:00

Set Index: 2  
WBEA ID: 210200476  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		735.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	43.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.32	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.938	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.97	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	6.00	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.02	ng/m <sup>3</sup>	V0
Acridine	0.001	0.023	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.769	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.880	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.479	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.322	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.210	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.210	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.064	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenzo(a,h)anthracene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.027	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-02-15 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-02-16 00:00

Set Index: 1  
WBEA ID: 210200463  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		713.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	24.0	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.19	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.459	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.28	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.63	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.435	ng/m <sup>3</sup>	V0
Acridine	0.001	0.013	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.388	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.459	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.450	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.533	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.147	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.147	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.043	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.032	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200470
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		707.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	37.9	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.71	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.548	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.13	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	5.54	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.613	ng/m <sup>3</sup>	V0
Acridine	0.001	0.012	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.22	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.75	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	1.62	ng/m <sup>3</sup>	V0
Chrysene	0.001	1.82	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.521	ng/m <sup>3</sup>	V4
Benzo(k)fluoranthene	0.001	0.521	ng/m <sup>3</sup>	V4
Benzo(a)pyrene	0.001	0.076	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.030	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.042	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.049	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200489
Start Date:	2021-02-15 00:00	End Date:	2021-02-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		716.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.37	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.416	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.17	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.11	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.151	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.154	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.151	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.100	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.015	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.133	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.133	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.048	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.024	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay		Loc ID:	BGFM	WBEA ID:	210200522
Start Date:	2021-02-16 14:10		End Date:	2021-02-16 14:11	Duration:	0.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.522	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.175	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.140	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.200	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.070	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Acridine	0.001	0.004	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.015	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.001	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes		Loc ID:	PATM	WBEA ID:	210200579
Start Date:	2021-02-19 15:20		End Date:	2021-02-19 15:21	Duration:	0.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.491	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.119	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.081	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.087	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.044	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Acridine	0.001	0.005	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.010	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.008	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200528
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-0.3	°C	
Pressure		712.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	11.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.15	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.937	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.936	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.90	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.893	ng/m <sup>3</sup>	V0
Acridine	0.001	0.032	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.663	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.735	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.302	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.722	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.099	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.099	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.098	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.023	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.025	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-02-21 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-02-22 00:00

Set Index: 1  
WBEA ID: 210200578  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.0	°C	
Pressure		705.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	22.0	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.27	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.548	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.89	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	5.19	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.502	ng/m <sup>3</sup>	V0
Acridine	0.001	0.019	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.699	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.734	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.343	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.390	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.120	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.120	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.060	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.025	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210200584
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		1.3	°C	
Pressure		713.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	27.0	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.87	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.675	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.09	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	6.84	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.664	ng/m <sup>3</sup>	V0
Acridine	0.001	0.029	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.925	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.10	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.446	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.515	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.128	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.128	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.073	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.049	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210200585
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		1.3	°C	
Pressure		713.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	31.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.94	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.702	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.32	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	7.32	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.728	ng/m <sup>3</sup>	V0
Acridine	0.001	0.031	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.13	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.24	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.491	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.568	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.122	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.122	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.079	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.024	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.059	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210200556
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.2	°C	
Pressure		694.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	13.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.87	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.525	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.22	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.10	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.326	ng/m <sup>3</sup>	V0
Acridine	0.001	0.011	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.421	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.426	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.201	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.235	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.115	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.115	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.036	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.023	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200541
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.9	°C	
Pressure		690.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	11.3	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.75	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.587	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.55	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.72	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.441	ng/m <sup>3</sup>	V0
Acridine	0.001	0.013	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.577	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.484	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.174	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.249	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.126	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.126	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.042	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.022	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200547
Start Date:	2021-02-21 00:00	End Date:	2021-02-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.8	°C	
Pressure		697.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	15.9	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.07	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.641	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.51	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.98	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.327	ng/m <sup>3</sup>	V0
Acridine	0.001	0.011	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.650	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.640	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.269	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.317	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.077	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.077	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.076	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.025	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200566	
Start Date:	2021-02-23 13:00	End Date:	2021-02-23 13:01	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.451	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.176	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.121	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.133	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.061	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Acridine	0.001	0.004	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.009	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.001	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-02-24 14:45

Samp Use: Field Procedure Blank  
Loc ID: ATHV  
End Date: 2021-02-24 14:46

Set Index: 1  
WBEA ID: 210200603  
Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.359	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.124	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.064	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.053	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.066	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.011	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.005	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2021-02-27 00:00	Loc ID: BGFM	WBEA ID: 210200567
		End Date: 2021-02-28 00:00	Duration: 24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-20.0	°C	
Pressure		734.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	15.4	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.12	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.10	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.27	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	5.89	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.30	ng/m <sup>3</sup>	V0
Acridine	0.001	0.044	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.855	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.905	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.327	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.402	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.118	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.118	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.071	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.025	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.030	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.015	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210200626
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

### Notes

Snow found on filter upon collection of the sample.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		725.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	18.7	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.73	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.64	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.46	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.95	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.522	ng/m <sup>3</sup>	V0
Acridine	0.001	0.040	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.541	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.721	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.023	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.534	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.614	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.123	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.123	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.075	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.030	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.032	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210200602
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

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### Notes

Snow found on filter upon collection of the sample.

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-18.0	°C	
Pressure		735.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	16.4	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.25	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.03	ng/m <sup>3</sup>	V0
Fluorene	0.001	3.69	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	13.7	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.45	ng/m <sup>3</sup>	V0
Acridine	0.001	0.024	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	2.17	ng/m <sup>3</sup>	V0
Pyrene	0.001	2.58	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.341	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.247	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.162	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.162	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.039	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.034	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.034	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-02-27 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-02-28 00:00

Set Index: 2  
WBEA ID: 210200604  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		735.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	18.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.26	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.894	ng/m <sup>3</sup>	V0
Fluorene	0.001	3.80	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	12.5	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.23	ng/m <sup>3</sup>	V0
Acridine	0.001	0.025	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.98	ng/m <sup>3</sup>	V0
Pyrene	0.001	2.14	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.340	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.256	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.144	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.144	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.039	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.029	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.031	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210200591
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

### Notes

Snow found on filter upon collection of the sample.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		713.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	16.2	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.95	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.01	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.26	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.26	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.215	ng/m <sup>3</sup>	V0
Acridine	0.001	0.023	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.355	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.418	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.176	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.195	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.089	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.089	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.077	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.023	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.029	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210200614
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		707.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	23.5	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.47	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.630	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.19	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	5.34	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.704	ng/m <sup>3</sup>	V0
Acridine	0.001	0.021	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.829	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.663	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.376	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.423	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.172	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.172	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.062	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210200596
Start Date:	2021-02-27 00:00	End Date:	2021-02-28 00:00	Duration:	24.0 hr

### Notes

Snow found on filter upon collection of the filter.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		715.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	24.3	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.46	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.651	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.34	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.58	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.417	ng/m <sup>3</sup>	V0
Acridine	0.001	0.023	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.219	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.249	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.168	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.186	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.183	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.183	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.079	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.022	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-03-01 11:25

Samp Use: Field Procedure Blank  
Loc ID: ANZC  
End Date: 2021-03-01 11:26

Set Index: 1  
WBEA ID: 210300657  
Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.274	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.117	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.151	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.081	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.043	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.011	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.004	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300711	
Start Date:	2021-03-03 14:45	End Date:	2021-03-03 14:46	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.303	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.207	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.183	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.119	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.064	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.026	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.008	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2021-03-05 00:00	Loc ID:	BGFM
		End Date:	2021-03-06 00:00
		Set Index:	1
		WBEA ID:	210300712
		Duration:	24.0 hr

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### Notes

Snow found on filter upon collection of the sample.

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		0.4	°C	
Pressure		729.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.5	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.06	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.30	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.81	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.82	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.657	ng/m <sup>3</sup>	V0
Acridine	0.001	0.030	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.286	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.429	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.028	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.488	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.419	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.023	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.062	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.062	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.044	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-03-05 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-03-06 00:00

Set Index: 1  
WBEA ID: 210300676  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.1	°C	
Pressure		723.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	17.4	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.33	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.677	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.07	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.30	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.406	ng/m <sup>3</sup>	V0
Acridine	0.001	0.026	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.379	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.366	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.114	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.098	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.034	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.034	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.031	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-03-05 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-03-06 00:00

Set Index: 1  
WBEA ID: 210300669  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.7	°C	
Pressure		732.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	22.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.02	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.03	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.58	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.73	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.276	ng/m <sup>3</sup>	V0
Acridine	0.001	0.031	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.604	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.866	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.169	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.146	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.064	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.064	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.044	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.025	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-03-05 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-03-06 00:00

Set Index: 2  
WBEA ID: 210300670  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.7	°C	
Pressure		732.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	20.9	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.18	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.04	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.71	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.89	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.348	ng/m <sup>3</sup>	V0
Acridine	0.001	0.037	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.634	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.04	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.186	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.179	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.074	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.074	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.048	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.024	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Conklin  
Start Date: 2021-03-05 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-03-06 00:00

Set Index: 1  
WBEA ID: 210300697  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.7	°C	
Pressure		706.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	11.0	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	8.06	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	3.04	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.74	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.51	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.252	ng/m <sup>3</sup>	V0
Acridine	0.001	0.011	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.455	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.535	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.186	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.160	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.044	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.044	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.032	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Janvier  
Start Date: 2021-03-05 00:00

Samp Use: Exposure  
Loc ID: JANV  
End Date: 2021-03-06 00:00

Set Index: 1  
WBEA ID: 210300687  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.3	°C	
Pressure		714.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	15.1	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	7.12	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.56	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.54	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.64	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.385	ng/m <sup>3</sup>	V0
Acridine	0.001	0.027	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.444	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.436	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.169	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.145	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.049	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.049	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.036	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210300658
Start Date:	2021-03-08 14:00	End Date:	2021-03-09 14:00	Duration:	24.0 hr

### Notes

Sample did not run on March 5th NAPS Day. Redeployed for March 8th 14:00 to March 9th 14:00.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-7.8	°C	
Pressure		739.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	2.69	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.82	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.37	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.23	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.799	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.149	ng/m <sup>3</sup>	V0
Acridine	0.001	0.018	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.161	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.104	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.035	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.030	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300762	
Start Date:	2021-03-09 15:25	End Date:	2021-03-09 15:26	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.395	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.237	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.170	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.125	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.051	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.027	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.008	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.007	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.001	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Conklin  
Start Date: 2021-03-10 13:15

Samp Use: Field Procedure Blank  
Loc ID: CONK  
End Date: 2021-03-10 15:16

Set Index: 1  
WBEA ID: 210300770  
Duration: 2.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.298	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.134	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.120	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.089	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.036	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.019	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.008	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.005	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2021-03-11 00:00	Loc ID: BGFM	WBEA ID: 210300763
		End Date: 2021-03-12 00:00	Duration: 24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-13.0	°C	
Pressure		735.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	17.0	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.99	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	3.15	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.07	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.75	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.528	ng/m <sup>3</sup>	V0
Acridine	0.001	0.046	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.214	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.498	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.557	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.478	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.080	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.080	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.044	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Patricia McInnes	Samp Use: Exposure	Set Index: 1
Start Date:	2021-03-11 00:00	Loc ID: PATM	WBEA ID: 210300745
		End Date: 2021-03-12 00:00	Duration: 24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-8.4	°C	
Pressure		725.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	28.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	5.03	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.36	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.07	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.30	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.406	ng/m <sup>3</sup>	V0
Acridine	0.001	0.020	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.509	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.619	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.206	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.177	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.099	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.099	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.063	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.020	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.022	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-03-11 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-03-12 00:00

Set Index: 1  
WBEA ID: 210300734  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.6	°C	
Pressure		734.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	19.4	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.15	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.63	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.88	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.69	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.400	ng/m <sup>3</sup>	V0
Acridine	0.001	0.024	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.557	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.524	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.178	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.153	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.099	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.099	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.061	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.022	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-03-11 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-03-12 00:00

Set Index: 2  
WBEA ID: 210300735  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.6	°C	
Pressure		734.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	22.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.57	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.52	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.28	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.82	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.392	ng/m <sup>3</sup>	V0
Acridine	0.001	0.028	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.480	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.511	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.200	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.172	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.096	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.096	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.062	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.027	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-03-11 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-03-12 00:00

Set Index: 1  
WBEA ID: 210300781  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.4	°C	
Pressure		713.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.92	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.07	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.31	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.556	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.703	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.122	ng/m <sup>3</sup>	V0
Acridine	0.001	0.015	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.104	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.087	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.045	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.039	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.025	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.025	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.025	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.019	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.019	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210300771
Start Date:	2021-03-11 00:00	End Date:	2021-03-12 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.5	°C	
Pressure		707.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.9	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.80	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.10	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.46	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.44	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.508	ng/m <sup>3</sup>	V0
Acridine	0.001	0.012	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.871	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.888	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.018	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.313	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.143	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.143	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.062	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.023	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.036	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.031	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Janvier  
Start Date: 2021-03-11 00:00

Samp Use: Exposure  
Loc ID: JANV  
End Date: 2021-03-12 00:00

Set Index: 1  
WBEA ID: 210300779  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.5	°C	
Pressure		716.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.55	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.22	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.685	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.412	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.21	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.249	ng/m <sup>3</sup>	V0
Acridine	0.001	0.010	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.164	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.088	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.032	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.027	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.034	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300820	
Start Date:	2021-03-15 13:55	End Date:	2021-03-15 13:56	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.375	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.210	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.214	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.141	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.041	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.022	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.007	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210300842
Start Date:	2021-03-16 12:50	End Date:	2021-03-16 12:51	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.569	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.157	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.136	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.084	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.052	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.010	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.006	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300821
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.6	°C	
Pressure		735.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	18.3	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	8.44	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	3.83	ng/m <sup>3</sup>	V0
Fluorene	0.001	3.46	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.89	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.482	ng/m <sup>3</sup>	V0
Acridine	0.001	0.033	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.375	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.516	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.703	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.603	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.086	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.085	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.061	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.018	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210300799
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.3	°C	
Pressure		725.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	21.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	5.50	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.897	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.50	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.93	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.383	ng/m <sup>3</sup>	V0
Acridine	0.001	0.002	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.706	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.737	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.498	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.440	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.197	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.197	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.055	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.031	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.036	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-03-17 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-03-18 00:00

Set Index: 1  
WBEA ID: 210300786  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.4	°C	
Pressure		734.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	37.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	6.74	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.25	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.66	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.96	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.663	ng/m <sup>3</sup>	V0
Acridine	0.001	0.041	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.944	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.12	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.829	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.715	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.242	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.242	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.060	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.018	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.027	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.041	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210300792
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.3	°C	
Pressure		714.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	23.3	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	5.39	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	5.27	ng/m <sup>3</sup>	V4
Fluorene	0.001	2.20	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.92	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.404	ng/m <sup>3</sup>	V0
Acridine	0.001	0.023	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.461	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.282	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.227	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.195	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.094	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.094	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.056	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.026	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210300793
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.3	°C	
Pressure		714.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	26.3	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	5.82	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	5.96	ng/m <sup>3</sup>	V4
Fluorene	0.001	2.91	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.08	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.433	ng/m <sup>3</sup>	V0
Acridine	0.001	0.027	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.509	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.303	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.234	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.201	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.089	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.089	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.053	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.029	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Conklin  
Start Date: 2021-03-17 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-03-18 00:00

Set Index: 1  
WBEA ID: 210300836  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.2	°C	
Pressure		707.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	20.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.69	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	4.47	ng/m <sup>3</sup>	V0
Fluorene	0.001	3.88	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.34	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.850	ng/m <sup>3</sup>	V0
Acridine	0.001	0.033	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.04	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.21	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.378	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.333	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.106	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.106	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.058	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.021	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.023	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210300843
Start Date:	2021-03-17 00:00	End Date:	2021-03-18 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.6	°C	
Pressure		716.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	2.07	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.12	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.04	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.483	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.926	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.166	ng/m <sup>3</sup>	V0
Acridine	0.001	0.024	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.203	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.151	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.022	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.049	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.027	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210300883
Start Date:	2021-03-18 13:00	End Date:	2021-03-18 13:01	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.290	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.117	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.123	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.072	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.041	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.009	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.006	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300949	
Start Date:	2021-03-22 14:25	End Date:	2021-03-22 14:26	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.279	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.216	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.157	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.127	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.052	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.024	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.010	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.006	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2021-03-23 00:00	Loc ID:	BGFM
		End Date:	2021-03-24 00:00
		Set Index:	1
		WBEA ID:	210300948
		Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-15.0	°C	
Pressure		742.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	9.10	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	5.30	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.44	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.98	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.87	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.377	ng/m <sup>3</sup>	V0
Acridine	0.001	0.048	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.537	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.711	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.025	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.749	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.643	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.024	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.076	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.076	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.050	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210300884
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		732.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	18.0	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	5.09	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.40	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.890	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.44	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.276	ng/m <sup>3</sup>	V0
Acridine	0.001	0.031	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.472	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.727	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.348	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.311	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.089	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.089	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.078	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.024	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-03-23 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-03-24 00:00

Set Index: 1  
WBEA ID: 210300877  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.6	°C	
Pressure		741.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.1	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.39	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.10	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.294	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.945	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.147	ng/m <sup>3</sup>	V0
Acridine	0.001	0.037	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.239	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.229	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.123	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.090	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.028	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.028	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.025	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.027	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210300870
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		719.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	1.92	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.75	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.50	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.629	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.06	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.254	ng/m <sup>3</sup>	V0
Acridine	0.001	0.013	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.087	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.047	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.105	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.091	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.027	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.027	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.025	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210300871
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		719.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	2.05	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.31	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.43	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.590	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.17	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.279	ng/m <sup>3</sup>	V0
Acridine	0.001	0.016	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.074	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.052	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.111	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.095	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.029	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.023	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210300891
Start Date:	2021-03-23 00:00	End Date:	2021-03-24 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		712.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	3.15	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.11	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.21	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.655	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.18	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.307	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.379	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.504	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.028	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.219	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.188	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.025	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.082	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.081	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.068	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.022	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.028	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Janvier  
Start Date: 2021-03-23 00:00

Samp Use: Exposure  
Loc ID: JANV  
End Date: 2021-03-24 00:00

Set Index: 1  
WBEA ID: 210300928  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.5	°C	
Pressure		721.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	11.4	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.64	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.22	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.59	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.55	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.580	ng/m <sup>3</sup>	V0
Acridine	0.001	0.029	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.911	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.953	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.604	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.532	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.165	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.165	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.060	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.046	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.031	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley		Loc ID:	ATHV	WBEA ID:	210300992
Start Date:	2021-03-24 08:35		End Date:	2021-03-24 08:36	Duration:	0.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.382	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.131	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.129	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.065	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.061	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.012	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.006	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.001	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210301038	
Start Date:	2021-03-26 11:10	End Date:	2021-03-26 11:11	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.463	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.198	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.203	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.154	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.075	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.038	ng/m <sup>3</sup>	V0
Acridine	0.001	0.010	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.010	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.007	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210301039
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-11.0	°C	
Pressure		734.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	4.16	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.75	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.00	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.72	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.78	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.400	ng/m <sup>3</sup>	V0
Acridine	0.001	0.053	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.494	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.452	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.029	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.425	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.364	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.050	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.050	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.048	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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		Deployment Information		
Sample Type:	PAH	Samp Use:	Exposure	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210300999
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration: 24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-9.6	°C	
Pressure		723.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	7.83	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.62	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.22	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.851	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.844	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.179	ng/m <sup>3</sup>	V0
Acridine	0.001	0.043	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.182	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.263	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.416	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.364	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.069	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.069	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.083	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.021	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-03-29 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-03-30 00:00

Set Index: 1  
WBEA ID: 210300991  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.4	°C	
Pressure		732.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	2.88	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.22	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.65	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.858	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.904	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.148	ng/m <sup>3</sup>	V0
Acridine	0.001	0.049	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.108	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.211	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.204	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.231	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.028	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.039	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210301012
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, PAH sampler had a powerfail warning due to power outage at site. Resulted in short sampling duration and low sample volume. elapsed\_time (86392/86400)

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		710.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	3.90	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.14	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.05	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.576	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.09	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.137	ng/m <sup>3</sup>	V0
Acridine	0.001	0.031	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.107	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.131	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.153	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.146	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.035	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.035	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.047	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.019	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210301013
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, PAH Duplicate sampler had a powerfail warning due to power outage at site. Resulted in short sampling duration and low sample volume. elapsed\_time (86390/86400)

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		710.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	3.54	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.51	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.03	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.560	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.07	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.146	ng/m <sup>3</sup>	V0
Acridine	0.001	0.034	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.104	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.125	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.145	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.126	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.033	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.033	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.045	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.021	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.019	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210301020
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.2	°C	
Pressure		703.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	9.72	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.39	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.35	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.42	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.70	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.395	ng/m <sup>3</sup>	V0
Acridine	0.001	0.013	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.902	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.741	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.330	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.284	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.119	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.119	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.081	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210301005
Start Date:	2021-03-29 00:00	End Date:	2021-03-30 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.5	°C	
Pressure		711.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	2.96	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.74	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.828	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.818	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.10	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.284	ng/m <sup>3</sup>	V0
Acridine	0.001	0.033	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.530	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.325	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.119	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.196	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.059	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.059	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.043	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210301081	
Start Date:	2021-03-30 14:05	End Date:	2021-03-30 14:06	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.479	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.171	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.216	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.193	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.080	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.010	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.003	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401112
Start Date:	2021-04-01 11:15	End Date:	2021-04-01 11:16	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.327	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.148	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.177	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.123	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.040	ng/m <sup>3</sup>	V0
Anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Acridine	0.001	0.001	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.018	ng/m <sup>3</sup>	V0
Pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.002	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2021-04-04 00:00	Loc ID:	BGFM
		End Date:	2021-04-05 00:00
		Set Index:	1
		WBEA ID:	210301083
		Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		1.2	°C	
Pressure		732.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	15.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.69	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	3.99	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.91	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.68	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.201	ng/m <sup>3</sup>	V0
Acridine	0.001	0.019	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.308	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.505	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.025	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.140	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.112	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.102	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.102	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.034	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.029	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401131
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		4.2	°C	
Pressure		723.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	19.3	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.03	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.62	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.31	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.37	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.284	ng/m <sup>3</sup>	V0
Acridine	0.001	0.002	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.964	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.682	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.345	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.290	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(b)fluoranthene	0.001	0.095	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.095	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.077	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-04-04 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-04-05 00:00

Set Index: 1  
WBEA ID: 210401120  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.0	°C	
Pressure		732.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	13.4	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.03	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.38	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.03	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.64	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.159	ng/m <sup>3</sup>	V0
Acridine	0.001	0.001	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.518	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.489	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.231	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.194	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.062	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.062	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.052	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401113
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.1	°C	
Pressure		711.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	14.5	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.70	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	5.65	ng/m <sup>3</sup>	V0
Fluorene	0.001	4.70	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.84	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.412	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.494	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.211	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.060	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.050	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.025	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.025	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.022	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401114
Start Date:	2021-04-04 00:00	End Date:	2021-04-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.1	°C	
Pressure		711.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	15.9	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.98	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	6.73	ng/m <sup>3</sup>	V0
Fluorene	0.001	5.28	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.17	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.407	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.523	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.209	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.059	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.050	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.019	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Conklin  
Start Date: 2021-04-04 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-04-05 00:00

Set Index: 1  
WBEA ID: 210301100  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.8	°C	
Pressure		704.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	3.63	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.98	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.45	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.38	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.37	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.269	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.552	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.423	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.115	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.097	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.025	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Janvier  
Start Date: 2021-04-04 00:00

Samp Use: Exposure  
Loc ID: JANV  
End Date: 2021-04-05 00:00

Set Index: 1  
WBEA ID: 210301106  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.9	°C	
Pressure		713.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	4.02	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.01	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.391	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.330	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.682	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.398	ng/m <sup>3</sup>	V0
Acridine	0.001	0.002	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.149	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.150	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.039	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.033	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.027	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401146	
Start Date:	2021-04-06 14:50	End Date:	2021-04-06 14:51	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.388	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.161	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.170	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.175	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.095	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.010	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.005	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401168
Start Date:	2021-04-07 14:35	End Date:	2021-04-07 14:36	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.286	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.050	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.107	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.110	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.025	ng/m <sup>3</sup>	V0
Anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Acridine	0.001	-8888	ng/m <sup>3</sup>	V1
Fluoranthene	0.001	0.014	ng/m <sup>3</sup>	V0
Pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Chrysene	0.001	-8888	ng/m <sup>3</sup>	V1
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2021-04-10 00:00	Loc ID:	BGFM
		End Date:	2021-04-11 00:00
		Set Index:	1
		WBEA ID:	210401147
		Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-2.7	°C	
Pressure		732.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.91	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.48	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.48	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.69	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.85	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.224	ng/m <sup>3</sup>	V0
Acridine	0.001	0.020	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.152	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.187	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.027	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.175	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.142	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.050	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.050	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.039	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.018	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401175
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.6	°C	
Pressure		723.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.79	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.63	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.934	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.744	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.969	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.137	ng/m <sup>3</sup>	V0
Acridine	0.001	0.002	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.312	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.334	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.199	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.172	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.060	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.060	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.042	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-04-10 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-04-11 00:00

Set Index: 1  
WBEA ID: 210401185  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.7	°C	
Pressure		732.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	4.96	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.05	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.734	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.511	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.501	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.077	ng/m <sup>3</sup>	V0
Acridine	0.001	0.002	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.151	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.093	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.083	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.070	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-04-10 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-04-11 00:00

Set Index: 1  
WBEA ID: 210401192  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.9	°C	
Pressure		711.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	7.11	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	10.1	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	6.85	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.64	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.18	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.375	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.284	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.114	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.049	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.042	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.025	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.025	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.055	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V4



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-04-10 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-04-11 00:00

Set Index: 2  
WBEA ID: 210401193  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.9	°C	
Pressure		711.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.17	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	9.48	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	6.94	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.94	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.88	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.380	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.279	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.115	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.045	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.038	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.046	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V4



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401169
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.9	°C	
Pressure		702.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	13.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.16	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.21	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.05	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.75	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.313	ng/m <sup>3</sup>	V0
Acridine	0.001	0.011	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.622	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.400	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.032	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.267	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.224	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.086	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.086	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.069	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401160
Start Date:	2021-04-10 00:00	End Date:	2021-04-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.4	°C	
Pressure		711.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	5.88	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.745	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.068	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.184	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.370	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.028	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.124	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.070	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.035	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.030	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.031	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401235	
Start Date:	2021-04-13 11:43	End Date:	2021-04-13 11:44	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.380	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.170	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.157	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.157	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.056	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Acridine	0.001	0.004	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.013	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.004	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401253
Start Date:	2021-04-14 14:05	End Date:	2021-04-14 14:06	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.224	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.062	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.093	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.119	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.029	ng/m <sup>3</sup>	V0
Anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Acridine	0.001	-8888	ng/m <sup>3</sup>	V1
Fluoranthene	0.001	0.009	ng/m <sup>3</sup>	V0
Pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.002	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2021-04-16 00:00	Loc ID: BGFM	WBEA ID: 210401236
		End Date: 2021-04-17 00:00	Duration: 24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		7.1	°C	
Pressure		743.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	18.9	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.62	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	3.65	ng/m <sup>3</sup>	V0
Fluorene	0.001	4.01	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.05	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.592	ng/m <sup>3</sup>	V0
Acridine	0.001	0.019	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.386	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.853	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.050	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.311	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.255	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.105	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.105	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.054	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.033	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V4



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-04-16 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-04-17 00:00

Set Index: 1  
WBEA ID: 210401199  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.7	°C	
Pressure		733.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	13.7	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	7.23	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.65	ng/m <sup>3</sup>	V0
Fluorene	0.001	3.06	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.98	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.750	ng/m <sup>3</sup>	V0
Acridine	0.001	0.010	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.31	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.17	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.791	ng/m <sup>3</sup>	V4
Chrysene	0.001	0.664	ng/m <sup>3</sup>	V4
7,12-Dimethylbenz(a)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.217	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.217	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.079	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.020	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.031	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-04-16 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-04-17 00:00

Set Index: 1  
WBEA ID: 210401217  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.6	°C	
Pressure		742.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	5.87	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.38	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.35	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.69	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.777	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.128	ng/m <sup>3</sup>	V0
Acridine	0.001	0.005	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.193	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.283	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.217	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.182	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.024	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.055	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.055	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.046	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-04-16 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-04-17 00:00

Set Index: 1  
WBEA ID: 210401209  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.3	°C	
Pressure		721.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	35.1	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	8.12	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	7.62	ng/m <sup>3</sup>	V0
Fluorene	0.001	5.35	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.54	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.496	ng/m <sup>3</sup>	V0
Acridine	0.001	0.012	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.02	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.474	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.023	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.221	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.186	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.056	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.056	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.057	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.018	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401210
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.3	°C	
Pressure		721.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	33.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	7.29	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	7.09	ng/m <sup>3</sup>	V0
Fluorene	0.001	5.15	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.50	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.489	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.953	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.459	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.198	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.166	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.046	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.046	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.052	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401246
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.5	°C	
Pressure		714.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	44.3	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	8.06	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	10.7	ng/m <sup>3</sup>	V0
Fluorene	0.001	12.7	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	9.23	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.36	ng/m <sup>3</sup>	V0
Acridine	0.001	0.011	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	2.10	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.42	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.098	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.083	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.033	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.100	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.100	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.064	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.020	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.029	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401254
Start Date:	2021-04-16 00:00	End Date:	2021-04-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.9	°C	
Pressure		723.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	5.85	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.59	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.85	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.493	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.687	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.052	ng/m <sup>3</sup>	V0
Acridine	0.001	0.002	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.165	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.150	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.067	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.056	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.026	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.022	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401785
Start Date:	2021-04-19 14:50	End Date:	2021-04-19 14:51	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.130	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.055	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.174	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.070	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Acridine	0.001	-8888	ng/m <sup>3</sup>	V1
Fluoranthene	0.001	0.012	ng/m <sup>3</sup>	V0
Pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Chrysene	0.001	-8888	ng/m <sup>3</sup>	V1
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401801	
Start Date:	2021-04-20 13:10	End Date:	2021-04-20 13:11	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.463	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.165	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.156	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.163	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.050	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Acridine	0.001	0.004	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.012	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.004	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401802
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.0	°C	
Pressure		740.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	7.73	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.19	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.59	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.65	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.12	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.326	ng/m <sup>3</sup>	V0
Acridine	0.001	0.014	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.159	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.140	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.024	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.191	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.155	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.058	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.058	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.042	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.021	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Exposure	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210401786
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration: 24.0 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-2.5	°C	
Pressure		729.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	4.89	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.97	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.861	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.641	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.688	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.069	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.118	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.128	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.116	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.098	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.023	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.049	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.021	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-04-22 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-04-23 00:00

Set Index: 1  
WBEA ID: 210401779  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.3	°C	
Pressure		738.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	3.76	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.39	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.845	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.648	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.883	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.097	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.087	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.143	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.150	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.125	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.039	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.021	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401772
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.2	°C	
Pressure		717.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.9	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.41	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.664	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.98	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.63	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.170	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.192	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.131	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.094	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.079	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.024	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.024	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.022	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.022	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-04-22 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-04-23 00:00

Set Index: 2  
WBEA ID: 210401773  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.2	°C	
Pressure		717.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	11.2	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.48	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.790	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.81	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.48	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.164	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.171	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.117	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.089	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.075	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.021	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.023	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401822
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.2	°C	
Pressure		710.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	2.54	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.49	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.48	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.16	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.24	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.279	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.398	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.259	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.103	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.087	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.031	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.031	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.027	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401830
Start Date:	2021-04-22 00:00	End Date:	2021-04-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.8	°C	
Pressure		718.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	1.47	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.21	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.608	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.44	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.129	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.017	ng/m <sup>3</sup>	V0
Acridine	0.001	0.014	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.052	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.043	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.043	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.036	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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		Deployment Information		
Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 210401842
Start Date:	2021-04-23 13:00	End Date:	2021-04-23 13:01	Duration: 0.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.323	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.176	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.268	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.168	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.068	ng/m <sup>3</sup>	V0
Anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.012	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.004	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401867	
Start Date:	2021-04-26 13:40	End Date:	2021-04-26 13:41	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.463	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.169	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.126	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.171	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.064	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Acridine	0.001	0.005	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.019	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.005	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2021-04-28 00:00	Loc ID: BGFM	WBEA ID: 210401866
		End Date: 2021-04-29 00:00	Duration: 24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-3.6	°C	
Pressure		737.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	11.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.04	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.38	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.42	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.14	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.421	ng/m <sup>3</sup>	V0
Acridine	0.001	0.018	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.269	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.239	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.052	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.355	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.292	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.074	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.074	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.049	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.022	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-04-28 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-04-29 00:00

Set Index: 1  
WBEA ID: 210401849  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.3	°C	
Pressure		728.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.31	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.63	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.505	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.000	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.513	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.036	ng/m <sup>3</sup>	V0
Acridine	0.001	0.005	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.158	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.132	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.084	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.070	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.024	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-04-28 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-04-29 00:00

Set Index: 1  
WBEA ID: 210401843  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.2	°C	
Pressure		737.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.4	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	5.18	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.856	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.73	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.603	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.111	ng/m <sup>3</sup>	V0
Acridine	0.001	0.016	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.213	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.277	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.025	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.155	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.130	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.049	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.049	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.049	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.031	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-04-28 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-04-29 00:00

Set Index: 1  
WBEA ID: 210401835  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.9	°C	
Pressure		716.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.9	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.48	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.26	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.13	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.809	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.074	ng/m <sup>3</sup>	V0
Acridine	0.001	0.010	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.115	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.088	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.062	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.052	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.015	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401836
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.9	°C	
Pressure		716.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.0	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.54	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.50	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.05	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.755	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.078	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.100	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.085	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.056	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.047	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.015	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401880
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.5	°C	
Pressure		709.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	7.21	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.75	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.51	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.28	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.22	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.095	ng/m <sup>3</sup>	V0
Acridine	0.001	0.011	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.334	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.335	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.189	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.159	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.058	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.058	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.050	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.023	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401889
Start Date:	2021-04-28 00:00	End Date:	2021-04-29 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.0	°C	
Pressure		718.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	5.47	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.60	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.788	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.91	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.312	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.052	ng/m <sup>3</sup>	V0
Acridine	0.001	0.011	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.125	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.099	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.079	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.066	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.026	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-04-30 12:40

Samp Use: Field Procedure Blank  
Loc ID: ANZC  
End Date: 2021-04-30 12:41

Set Index: 1  
WBEA ID: 210401936  
Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.435	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.285	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.198	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.219	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.059	ng/m <sup>3</sup>	V0
Anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.024	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.007	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.001	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210401946	
Start Date:	2021-04-30 12:55	End Date:	2021-04-30 12:56	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.507	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.221	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.155	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.231	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.100	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.028	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.008	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 210401956
Start Date:	2021-05-04 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2021-05-05 00:00	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		5.9	°C	
Pressure		739.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	14.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.84	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.06	ng/m <sup>3</sup>	V0
Fluorene	0.001	3.13	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.54	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.414	ng/m <sup>3</sup>	V0
Acridine	0.001	0.020	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.284	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.280	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.041	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.267	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.218	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.077	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.077	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.066	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210401963
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.7	°C	
Pressure		729.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	12.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.87	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.716	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.83	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.32	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.334	ng/m <sup>3</sup>	V0
Acridine	0.001	0.013	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.605	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.654	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.328	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.276	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.110	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.110	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.088	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.019	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-05-04 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-05-05 00:00

Set Index: 1  
WBEA ID: 210401930  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.1	°C	
Pressure		737.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	8.79	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.17	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.800	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.893	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.39	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.064	ng/m <sup>3</sup>	V0
Acridine	0.001	0.015	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.732	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.611	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.196	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.164	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.059	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.059	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.068	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.026	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.028	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-05-04 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-05-05 00:00

Set Index: 1  
WBEA ID: 210401937  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.3	°C	
Pressure		717.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	11.7	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.56	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	7.59	ng/m <sup>3</sup>	V0
Fluorene	0.001	7.95	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.23	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.267	ng/m <sup>3</sup>	V0
Acridine	0.001	0.016	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.585	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.264	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.083	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.069	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.033	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210401938
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.3	°C	
Pressure		717.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	12.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.07	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	9.23	ng/m <sup>3</sup>	V0
Fluorene	0.001	8.91	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.61	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.276	ng/m <sup>3</sup>	V0
Acridine	0.001	0.017	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.633	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.303	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.083	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.070	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.033	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210401920
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.2	°C	
Pressure		710.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	42.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	5.44	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	4.52	ng/m <sup>3</sup>	V0
Fluorene	0.001	4.72	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	5.57	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.719	ng/m <sup>3</sup>	V0
Acridine	0.001	0.012	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.21	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.44	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.374	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.471	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.023	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.247	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.247	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.054	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210401912
Start Date:	2021-05-04 00:00	End Date:	2021-05-05 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.8	°C	
Pressure		719.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	4.11	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.33	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.586	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.462	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.244	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.021	ng/m <sup>3</sup>	V0
Acridine	0.001	0.004	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.403	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.191	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.090	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.076	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210501983
Start Date:	2021-05-05 13:25	End Date:	2021-05-05 13:26	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.267	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.089	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.062	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.043	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.048	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Acridine	0.001	0.004	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.011	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.002	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.001	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210502000	
Start Date:	2021-05-06 11:55	End Date:	2021-05-06 11:56	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.344	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.112	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.109	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.058	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.051	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Acridine	0.001	0.005	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.009	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.003	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Bertha Ganter - Fort McKay  
Start Date: 2021-05-10 00:00

Samp Use: Exposure  
Loc ID: BGFM  
End Date: 2021-05-11 00:00

Set Index: 1  
WBEA ID: 210502001  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.2	°C	
Pressure		738.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	8.24	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.07	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.562	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.37	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.89	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.449	ng/m <sup>3</sup>	V0
Acridine	0.001	0.026	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.243	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.309	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.031	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.117	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.100	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.075	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.075	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.045	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-05-10 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-05-11 00:00

Set Index: 1  
WBEA ID: 210502020  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.2	°C	
Pressure		730.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	9.93	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.12	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.63	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.02	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.42	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.330	ng/m <sup>3</sup>	V0
Acridine	0.001	0.026	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.340	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.372	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.076	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.066	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.044	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.044	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.054	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.020	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.023	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-05-10 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-05-11 00:00

Set Index: 1  
WBEA ID: 210502034  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.6	°C	
Pressure		738.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.25	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.41	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.47	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.77	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.24	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.376	ng/m <sup>3</sup>	V0
Acridine	0.001	0.016	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.231	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.302	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.089	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.078	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.029	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.029	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.041	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210502027
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.4	°C	
Pressure		717.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	4.33	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.56	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	11.5	ng/m <sup>3</sup>	V0
Fluorene	0.001	6.37	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	7.58	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.930	ng/m <sup>3</sup>	V0
Acridine	0.001	0.030	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.505	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.192	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.032	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.028	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.018	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210502028
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.4	°C	
Pressure		717.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	4.07	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.73	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	11.1	ng/m <sup>3</sup>	V0
Fluorene	0.001	6.61	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	7.97	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.907	ng/m <sup>3</sup>	V0
Acridine	0.001	0.025	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.506	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.181	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.031	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.020	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.012	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210501984
Start Date:	2021-05-10 00:00	End Date:	2021-05-11 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.7	°C	
Pressure		711.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	13.5	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.94	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	9.44	ng/m <sup>3</sup>	V0
Fluorene	0.001	6.25	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	7.89	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.818	ng/m <sup>3</sup>	V0
Acridine	0.001	0.018	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.03	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.492	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.059	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.052	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.024	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.048	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.048	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.061	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.042	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.034	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Janvier  
Start Date: 2021-05-10 00:00

Samp Use: Exposure  
Loc ID: JANV  
End Date: 2021-05-11 00:00

Set Index: 1  
WBEA ID: 210501989  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.6	°C	
Pressure		719.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	2.00	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.57	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.38	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.564	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.48	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.459	ng/m <sup>3</sup>	V0
Acridine	0.001	0.030	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.256	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.240	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.090	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.072	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.039	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.039	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.034	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.021	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.019	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		<b>Deployment Information</b>		
Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210502051
Start Date:	2021-05-11 13:20	End Date:	2021-05-11 13:21	Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.275	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.159	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.150	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.079	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.044	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.018	ng/m <sup>3</sup>	V0
Acridine	0.001	0.005	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.011	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.003	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Janvier  
Start Date: 2021-05-12 14:00

Samp Use: Field Procedure Blank  
Loc ID: JANV  
End Date: 2021-05-12 14:01

Set Index: 1  
WBEA ID: 210502070  
Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.243	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.106	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.066	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.079	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.040	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Acridine	0.001	0.004	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.010	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.001	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.001	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2021-05-16 00:00	Loc ID:	BGFM
		End Date:	2021-05-17 00:00
		Set Index:	1
		WBEA ID:	210502052
		Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		8.7	°C	
Pressure		733.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	7.27	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.41	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.98	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.856	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.24	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.45	ng/m <sup>3</sup>	V0
Acridine	0.001	0.033	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.179	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.291	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.165	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.142	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.046	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.046	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.092	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.022	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-05-16 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-05-17 00:00

Set Index: 1  
WBEA ID: 210502097  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.3	°C	
Pressure		724.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	11.7	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.03	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.92	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.47	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.12	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.713	ng/m <sup>3</sup>	V0
Acridine	0.001	0.047	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.734	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.725	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.107	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.101	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.080	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.080	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.059	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.019	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.035	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210502090
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		13.2	°C	
Pressure		730.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	5.90	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.99	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.613	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.433	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.11	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.250	ng/m <sup>3</sup>	V0
Acridine	0.001	0.056	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.197	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.222	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.072	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.063	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.023	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.025	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-05-16 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-05-17 00:00

Set Index: 1  
WBEA ID: 210502079  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.6	°C	
Pressure		712.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.7	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.28	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	9.55	ng/m <sup>3</sup>	V0
Fluorene	0.001	5.77	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	9.22	ng/m <sup>3</sup>	V0
Anthracene	0.001	2.05	ng/m <sup>3</sup>	V0
Acridine	0.001	0.042	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.25	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.475	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.037	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.033	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.015	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210502080
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.6	°C	
Pressure		717.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	11.0	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.65	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	10.3	ng/m <sup>3</sup>	V0
Fluorene	0.001	6.56	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	9.14	ng/m <sup>3</sup>	V0
Anthracene	0.001	2.38	ng/m <sup>3</sup>	V0
Acridine	0.001	0.045	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.35	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.512	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.037	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.033	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.017	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210502063
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.1	°C	
Pressure		706.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	17.7	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	5.57	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	13.0	ng/m <sup>3</sup>	V0
Fluorene	0.001	8.96	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	11.9	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.44	ng/m <sup>3</sup>	V0
Acridine	0.001	0.035	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.20	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.636	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.105	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.093	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.027	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.060	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.060	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.068	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.029	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.024	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210502071
Start Date:	2021-05-16 00:00	End Date:	2021-05-17 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.0	°C	
Pressure		713.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	1.69	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.39	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.41	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.187	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.14	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.448	ng/m <sup>3</sup>	V0
Acridine	0.001	0.017	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.070	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.053	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.019	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.017	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.028	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210502116	
Start Date:	2021-05-18 12:40	End Date:	2021-05-18 12:41	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.324	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.145	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.189	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.065	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.060	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.019	ng/m <sup>3</sup>	V0
Acridine	0.001	0.005	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.011	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.003	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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		Deployment Information		
Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 210502146
Start Date:	2021-05-20 11:30	End Date:	2021-05-20 11:31	Duration: 0.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.211	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.098	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.081	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.050	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.028	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Acridine	0.001	0.004	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.009	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Chrysene	0.001	-8888	ng/m <sup>3</sup>	V1
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2021-05-22 00:00	Loc ID: BGFM	WBEA ID: 210502117
		End Date: 2021-05-23 00:00	Duration: 24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		11.2	°C	
Pressure		741.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	11.7	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	5.76	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	9.61	ng/m <sup>3</sup>	V0
Fluorene	0.001	4.04	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	5.91	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.911	ng/m <sup>3</sup>	V0
Acridine	0.001	0.021	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.183	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.270	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.023	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.171	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.147	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.036	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.036	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.072	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.026	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-05-22 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-05-23 00:00

Set Index: 1  
WBEA ID: 210502147  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.8	°C	
Pressure		732.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	17.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	7.37	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.935	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.48	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.84	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.865	ng/m <sup>3</sup>	V0
Acridine	0.001	0.038	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.20	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.13	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.155	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.235	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.154	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.154	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.056	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.020	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.087	ng/m <sup>3</sup>	V4
Dibenz(a,h)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.019	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.026	ng/m <sup>3</sup>	V4
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-05-22 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-05-23 00:00

Set Index: 1  
WBEA ID: 210502140  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.0	°C	
Pressure		742.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	8.94	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.49	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.537	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.624	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.46	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.430	ng/m <sup>3</sup>	V0
Acridine	0.001	0.046	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.338	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.377	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.148	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.129	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.051	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.051	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.041	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.028	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210502157
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.2	°C	
Pressure		715.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	9.47	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.41	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	5.98	ng/m <sup>3</sup>	V0
Fluorene	0.001	4.33	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	5.62	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.41	ng/m <sup>3</sup>	V0
Acridine	0.001	0.044	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.757	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.298	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.017	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.042	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.034	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210502158
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.5	°C	
Pressure		720.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	9.51	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.84	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	6.60	ng/m <sup>3</sup>	V0
Fluorene	0.001	4.99	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	5.93	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.44	ng/m <sup>3</sup>	V0
Acridine	0.001	0.048	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.759	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.292	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.017	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.037	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.031	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210502128
Start Date:	2021-05-22 00:00	End Date:	2021-05-23 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.9	°C	
Pressure		715.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	4.12	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.14	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	6.59	ng/m <sup>3</sup>	V0
Fluorene	0.001	3.95	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	9.41	ng/m <sup>3</sup>	V0
Anthracene	0.001	3.95	ng/m <sup>3</sup>	V0
Acridine	0.001	0.064	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	4.18	ng/m <sup>3</sup>	V0
Pyrene	0.001	3.07	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.024	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.088	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.145	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.035	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.043	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.043	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.065	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.040	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.053	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.024	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Janvier  
Start Date: 2021-05-22 00:00

Samp Use: Exposure  
Loc ID: JANV  
End Date: 2021-05-23 00:00

Set Index: 1  
WBEA ID: 210502134  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.6	°C	
Pressure		723.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	3.36	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.87	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.04	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.73	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.15	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.189	ng/m <sup>3</sup>	V0
Acridine	0.001	0.054	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.199	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.904	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.064	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.082	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.031	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.037	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.037	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.043	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.034	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.027	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210502201	
Start Date:	2021-05-25 13:54	End Date:	2021-05-25 13:55	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.312	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.154	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.195	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.056	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.042	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Acridine	0.001	0.004	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.010	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.005	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210502238
Start Date:	2021-05-27 10:41	End Date:	2021-05-27 10:42	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.135	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.116	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.057	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.041	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.027	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Acridine	0.001	0.002	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.001	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2021-05-28 00:00	Loc ID: BGFM	WBEA ID: 210502202
		End Date: 2021-05-29 00:00	Duration: 24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		10.2	°C	
Pressure		722.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	9.70	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.41	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.34	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.74	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.48	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.34	ng/m <sup>3</sup>	V0
Acridine	0.001	0.025	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.223	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.327	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.143	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.124	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.055	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.055	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.066	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-05-28 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-05-29 00:00

Set Index: 1  
WBEA ID: 210502245  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.4	°C	
Pressure		716.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	8.07	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.28	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.77	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.966	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.51	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.572	ng/m <sup>3</sup>	V0
Acridine	0.001	0.033	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.305	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.319	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.069	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.060	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.027	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.032	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.032	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.030	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.019	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210502239
Start Date:	2021-05-28 00:00	End Date:	2021-05-29 00:00	Duration:	24.0 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		10.1	°C	
Pressure		725.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.81	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.82	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.06	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.965	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.37	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.732	ng/m <sup>3</sup>	V0
Acridine	0.001	0.061	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.163	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.259	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.059	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.052	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.025	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.023	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-05-28 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-05-29 00:00

Set Index: 1  
WBEA ID: 210502232  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.0	°C	
Pressure		704.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	9.08	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	5.02	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	9.89	ng/m <sup>3</sup>	V0
Fluorene	0.001	5.65	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	8.41	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.68	ng/m <sup>3</sup>	V0
Acridine	0.001	0.027	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.921	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.297	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.042	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.037	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.018	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-05-28 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-05-29 00:00

Set Index: 2  
WBEA ID: 210502233  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.0	°C	
Pressure		704.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	8.77	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.60	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	10.2	ng/m <sup>3</sup>	V0
Fluorene	0.001	5.77	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	7.87	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.68	ng/m <sup>3</sup>	V0
Acridine	0.001	0.025	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.839	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.264	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.039	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.034	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.017	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Conklin  
Start Date: 2021-05-28 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-05-29 00:00

Set Index: 1  
WBEA ID: 210502210  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.9	°C	
Pressure		698.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	3.44	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.55	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	7.90	ng/m <sup>3</sup>	V0
Fluorene	0.001	5.75	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	9.37	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.82	ng/m <sup>3</sup>	V0
Acridine	0.001	0.016	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.20	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.451	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.098	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.085	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.036	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.036	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.023	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Janvier  
Start Date: 2021-05-28 00:00

Samp Use: Exposure  
Loc ID: JANV  
End Date: 2021-05-29 00:00

Set Index: 1  
WBEA ID: 210502221  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.9	°C	
Pressure		705.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	4.55	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.05	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.38	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.18	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.45	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.188	ng/m <sup>3</sup>	V0
Acridine	0.001	0.027	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.070	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.050	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.024	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.021	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.029	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.017	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602275
Start Date:	2021-06-01 11:45	End Date:	2021-06-01 11:46	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.250	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.094	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.079	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.057	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.043	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.008	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.003	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay		Loc ID:	BGFM	WBEA ID:	210602300
Start Date:	2021-06-03 00:00		End Date:	2021-06-04 00:00	Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.331	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.221	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.198	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.091	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.058	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.025	ng/m <sup>3</sup>	V0
Acridine	0.001	0.004	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.012	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.006	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2021-06-03 00:00	Loc ID:	BGFM
		End Date:	2021-06-04 00:00
		Set Index:	1
		WBEA ID:	210602301
		Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		19.8	°C	
Pressure		725.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	11.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.80	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	10.4	ng/m <sup>3</sup>	V0
Fluorene	0.001	6.34	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	6.28	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.68	ng/m <sup>3</sup>	V0
Acridine	0.001	0.022	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.217	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.399	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.210	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.183	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.047	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.047	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.068	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.020	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602308
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.7	°C	
Pressure		717.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	16.0	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.94	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.24	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.24	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.40	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.975	ng/m <sup>3</sup>	V0
Acridine	0.001	0.016	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.609	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.622	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.081	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.151	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.115	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.115	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.065	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.032	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.021	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-06-03 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-06-04 00:00

Set Index: 1  
WBEA ID: 210602270  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.8	°C	
Pressure		727.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	7.01	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.57	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.02	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.34	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.43	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.562	ng/m <sup>3</sup>	V0
Acridine	0.001	0.022	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.256	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.339	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.126	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.109	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.048	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.023	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.022	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.021	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-06-03 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-06-04 00:00

Set Index: 1  
WBEA ID: 210602276  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.5	°C	
Pressure		707.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.16	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	6.48	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	20.0	ng/m <sup>3</sup>	V0
Fluorene	0.001	9.57	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	10.3	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.920	ng/m <sup>3</sup>	V0
Acridine	0.001	0.026	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.924	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.389	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.080	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.070	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.025	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.026	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.023	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602314
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.7	°C	
Pressure		702.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	12.2	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	8.23	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	18.2	ng/m <sup>3</sup>	V0
Fluorene	0.001	9.50	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	14.9	ng/m <sup>3</sup>	V0
Anthracene	0.001	3.02	ng/m <sup>3</sup>	V0
Acridine	0.001	0.020	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.79	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.72	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.087	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.076	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.023	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.038	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.038	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.037	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602315
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.7	°C	
Pressure		702.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	12.0	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	8.01	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	18.3	ng/m <sup>3</sup>	V0
Fluorene	0.001	9.97	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	14.1	ng/m <sup>3</sup>	V0
Anthracene	0.001	3.39	ng/m <sup>3</sup>	V0
Acridine	0.001	0.023	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.82	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.89	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.090	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.079	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.037	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.037	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.037	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602328
Start Date:	2021-06-03 00:00	End Date:	2021-06-04 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample, sampler had a power fail warning. Resulted in a shorter sampling duration and low sample volume.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.7	°C	
Pressure		708.5	mmHg	
Sample Volume		305	m <sup>3</sup>	V6
Naphthalene	0.001	3.04	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.98	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.48	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.693	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.17	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.248	ng/m <sup>3</sup>	V0
Acridine	0.001	0.054	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.200	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.179	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.070	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.061	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.023	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.023	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.018	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602375	
Start Date:	2021-06-07 15:10	End Date:	2021-06-07 15:16	Duration:	0.1 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.285	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.169	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.155	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.200	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.133	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.046	ng/m <sup>3</sup>	V0
Acridine	0.001	0.022	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.033	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.016	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602390
Start Date:	2021-06-08 13:30	End Date:	2021-06-08 13:31	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.179	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.037	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.115	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.071	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.106	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.027	ng/m <sup>3</sup>	V0
Acridine	0.001	0.015	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.022	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.007	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2021-06-09 00:00	Loc ID: BGFM	WBEA ID: 210602376
		End Date: 2021-06-10 00:00	Duration: 24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		15.4	°C	
Pressure		738.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	9.34	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.30	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.97	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.43	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.28	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.487	ng/m <sup>3</sup>	V0
Acridine	0.001	0.032	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.225	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.306	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.177	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.154	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.031	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.020	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602348
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		13.7	°C	
Pressure		730.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	1.78	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.50	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.770	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.542	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.06	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.458	ng/m <sup>3</sup>	V0
Acridine	0.001	0.016	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.358	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.399	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.074	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.065	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.025	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-06-09 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-06-10 00:00

Set Index: 1  
WBEA ID: 210602336  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.4	°C	
Pressure		740.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	2.47	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.64	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.876	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.877	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.60	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.394	ng/m <sup>3</sup>	V0
Acridine	0.001	0.045	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.309	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.373	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.093	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.083	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.025	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.025	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.033	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-06-09 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-06-10 00:00

Set Index: 1  
WBEA ID: 210602342  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.9	°C	
Pressure		721.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	1.11	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.67	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	10.7	ng/m <sup>3</sup>	V0
Fluorene	0.001	6.20	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	12.8	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.03	ng/m <sup>3</sup>	V0
Acridine	0.001	0.031	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.10	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.403	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.024	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.021	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.017	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602391
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.3	°C	
Pressure		712.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.95	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.49	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	5.96	ng/m <sup>3</sup>	V0
Fluorene	0.001	3.22	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	7.61	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.49	ng/m <sup>3</sup>	V0
Acridine	0.001	0.029	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.618	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.557	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.027	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.024	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.043	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.033	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Conklin  
Start Date: 2021-06-09 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-06-10 00:00

Set Index: 2  
WBEA ID: 210602392  
Duration: 24.0 hr

### Notes

Raining during collection of sample.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.3	°C	
Pressure		712.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.64	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.59	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	5.38	ng/m <sup>3</sup>	V0
Fluorene	0.001	3.52	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	8.49	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.71	ng/m <sup>3</sup>	V0
Acridine	0.001	0.027	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.647	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.581	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.031	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.027	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.043	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.043	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.034	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602382
Start Date:	2021-06-09 00:00	End Date:	2021-06-10 00:00	Duration:	24.0 hr

### Notes

Raining during sample collection.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.4	°C	
Pressure		719.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	1.61	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.97	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.667	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.10	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.78	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.583	ng/m <sup>3</sup>	V0
Acridine	0.001	0.032	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.13	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.66	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.142	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.126	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.205	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.205	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.046	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Janvier  
Start Date: 2021-06-10 13:45

Samp Use: Field Procedure Blank  
Loc ID: JANV  
End Date: 2021-06-10 13:46

Set Index: 1  
WBEA ID: 210602406  
Duration: 0.0 hr

### Notes

Raining during sample deployment and collection.

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.181	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.045	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.111	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.053	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.119	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.022	ng/m <sup>3</sup>	V0
Acridine	0.001	0.018	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.017	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.003	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay		Loc ID:	BGFM	WBEA ID:	210602436
Start Date:	2021-06-14 14:20		End Date:	2021-06-14 14:22	Duration:	0.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.296	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.138	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.220	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.171	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.148	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.055	ng/m <sup>3</sup>	V0
Acridine	0.001	0.020	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.030	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.016	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Bertha Ganter - Fort McKay  
Start Date: 2021-06-15 00:00

Samp Use: Exposure  
Loc ID: BGFM  
End Date: 2021-06-16 00:00

Set Index: 1  
WBEA ID: 210602437  
Duration: 24.0 hr

### Notes

Raining during sample collection.  
Slightly low sample volume and short sample duration due to power failure warning on sampler.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		22.6	°C	
Pressure		729.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V6
Naphthalene	0.001	13.2	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.84	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	6.65	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.798	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	5.26	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.06	ng/m <sup>3</sup>	V0
Acridine	0.001	0.042	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.288	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.431	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.230	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.201	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.046	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.046	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.097	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.018	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-06-15 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-06-16 00:00

Set Index: 1  
WBEA ID: 210602413  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.5	°C	
Pressure		731.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	1.06	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.70	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.535	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.807	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.57	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.385	ng/m <sup>3</sup>	V0
Acridine	0.001	0.025	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.300	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.337	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.090	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.080	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.026	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-06-15 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-06-16 00:00

Set Index: 1  
WBEA ID: 210602416  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.7	°C	
Pressure		711.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.09	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.97	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	9.38	ng/m <sup>3</sup>	V0
Fluorene	0.001	8.04	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	12.9	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.62	ng/m <sup>3</sup>	V0
Acridine	0.001	0.024	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.87	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.43	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.054	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.047	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.032	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.028	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602399
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

Raining during deployment of sample.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.6	°C	
Pressure		705.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	7.32	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.02	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	5.94	ng/m <sup>3</sup>	V0
Fluorene	0.001	3.93	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	10.6	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.44	ng/m <sup>3</sup>	V0
Acridine	0.001	0.039	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.49	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.593	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.050	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.044	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.031	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602400
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

Raining during sample deployment.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.6	°C	
Pressure		705.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	7.47	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.86	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	6.13	ng/m <sup>3</sup>	V0
Fluorene	0.001	4.23	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	10.9	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.73	ng/m <sup>3</sup>	V0
Acridine	0.001	0.045	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.48	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.608	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.047	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.041	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.031	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602407
Start Date:	2021-06-15 00:00	End Date:	2021-06-16 00:00	Duration:	24.0 hr

### Notes

Upon collection of the sample sampler had power failure warning. Resulted in short sample duration and low sample volume.  
Raining during sample deployment.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.4	°C	
Pressure		711.9	mmHg	
Sample Volume		303	m <sup>3</sup>	V6
Naphthalene	0.001	0.410	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.79	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.01	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.724	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.09	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.757	ng/m <sup>3</sup>	V0
Acridine	0.001	0.042	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.090	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.089	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.024	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.021	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.046	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.020	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602431
Start Date:	2021-06-17 11:10	End Date:	2021-06-18 11:10	Duration:	24.0 hr

### Notes

Sample did not run on NAPS day due to flow range warning. Redeployed from 06/17/21 11:10 MST to 06/18/21 11:10 MST.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.2	°C	
Pressure		735.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	2.35	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.01	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.56	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.08	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.42	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.410	ng/m <sup>3</sup>	V0
Acridine	0.001	0.030	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.629	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.775	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.141	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.126	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.151	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.151	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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		Deployment Information		
Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 210602518
Start Date:	2021-06-17 13:30	End Date:	2021-06-17 13:31	Duration: 0.0 hr

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### Notes

Raining during sample deployment and collection.

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.210	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.135	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.208	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.143	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.118	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.055	ng/m <sup>3</sup>	V0
Acridine	0.001	0.020	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.025	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.017	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602528
Start Date:	2021-06-18 16:00	End Date:	2021-06-18 16:01	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.206	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.116	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.131	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.093	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.119	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.033	ng/m <sup>3</sup>	V0
Acridine	0.001	0.024	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.012	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.012	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2021-06-21 00:00	Loc ID:	BGFM
		End Date:	2021-06-22 00:00
		Set Index:	1
		WBEA ID:	210602519
		Duration:	24.0 hr

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### Notes

Raining during sample deployment.

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		17.0	°C	
Pressure		729.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	12.1	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	7.35	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	7.65	ng/m <sup>3</sup>	V0
Fluorene	0.001	5.72	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	9.94	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.445	ng/m <sup>3</sup>	V0
Acridine	0.001	0.035	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.281	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.448	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.247	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.216	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.046	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.046	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.055	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602527
Start Date:	2021-06-21 00:00	End Date:	2021-06-21 09:45	Duration:	9.8 hr

### Notes

Short sample duration and low sample volume caused by flow range warning on sampler.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.5	°C	
Pressure		722.0	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Naphthalene	0.001	-9999	ng/m <sup>3</sup>	M2
Acenaphthylene	0.001	-9999	ng/m <sup>3</sup>	M2
Acenaphthene	0.001	-9999	ng/m <sup>3</sup>	M2
Fluorene	0.001	-9999	ng/m <sup>3</sup>	M2
Phenanthrene	0.001	-9999	ng/m <sup>3</sup>	M2
Anthracene	0.001	-9999	ng/m <sup>3</sup>	M2
Acridine	0.001	-9999	ng/m <sup>3</sup>	M2
Fluoranthene	0.001	-9999	ng/m <sup>3</sup>	M2
Pyrene	0.001	-9999	ng/m <sup>3</sup>	M2
Benzo(c)phenanthrene	0.001	-9999	ng/m <sup>3</sup>	M2
Benzo(a)anthracene	0.001	-9999	ng/m <sup>3</sup>	M2
Chrysene	0.001	-9999	ng/m <sup>3</sup>	M2
7,12-Dimethylbenz(a)anthracene	0.001	-9999	ng/m <sup>3</sup>	M2
Benzo(b)fluoranthene	0.001	-9999	ng/m <sup>3</sup>	M2
Benzo(k)fluoranthene	0.001	-9999	ng/m <sup>3</sup>	M2
Benzo(a)pyrene	0.001	-9999	ng/m <sup>3</sup>	M2
3-Methylcholanthrene	0.001	-9999	ng/m <sup>3</sup>	M2
Indeno(123-cd)pyrene	0.001	-9999	ng/m <sup>3</sup>	M2
Dibenz(a,h)anthracene	0.001	-9999	ng/m <sup>3</sup>	M2
Benzo(ghi)perylene	0.001	-9999	ng/m <sup>3</sup>	M2
Dibenzo(a,l)pyrene	0.001	-9999	ng/m <sup>3</sup>	M2
Dibenzo(a,i)pyrene	0.001	-9999	ng/m <sup>3</sup>	M2
Dibenzo(a,h)pyrene	0.001	-9999	ng/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-06-21 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-06-22 00:00

Set Index: 1  
WBEA ID: 210602541  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.0	°C	
Pressure		732.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	5.92	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.39	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.937	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.640	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.66	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.277	ng/m <sup>3</sup>	V0
Acridine	0.001	0.031	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.747	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.930	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.131	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.116	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.113	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.113	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.025	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602532
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.6	°C	
Pressure		711.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	15.4	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.35	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	10.4	ng/m <sup>3</sup>	V0
Fluorene	0.001	6.07	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	9.04	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.06	ng/m <sup>3</sup>	V0
Acridine	0.001	0.019	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.72	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.682	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.031	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.028	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.019	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602461
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.5	°C	
Pressure		705.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	25.3	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.09	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	13.8	ng/m <sup>3</sup>	V0
Fluorene	0.001	8.74	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	19.4	ng/m <sup>3</sup>	V0
Anthracene	0.001	2.01	ng/m <sup>3</sup>	V0
Acridine	0.001	0.027	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	2.24	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.09	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.129	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.114	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.033	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.048	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.046	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602462
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.5	°C	
Pressure		705.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	22.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.91	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	13.3	ng/m <sup>3</sup>	V0
Fluorene	0.001	8.56	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	18.7	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.84	ng/m <sup>3</sup>	V0
Acridine	0.001	0.023	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	2.07	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.959	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.112	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.099	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.042	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.042	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.043	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602471
Start Date:	2021-06-21 00:00	End Date:	2021-06-22 00:00	Duration:	24.0 hr

### Notes

Sampler had power failure warning upon collection of the sample. Resulted in a short sample duration and low sample volume.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.9	°C	
Pressure		712.3	mmHg	
Sample Volume		308	m <sup>3</sup>	V6
Naphthalene	0.001	0.820	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.81	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.48	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.491	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.37	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.140	ng/m <sup>3</sup>	V0
Acridine	0.001	0.025	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.139	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.174	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.042	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.037	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.023	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.018	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602561	
Start Date:	2021-06-22 13:35	End Date:	2021-06-22 13:36	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.244	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.104	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.180	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.139	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.136	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.039	ng/m <sup>3</sup>	V0
Acridine	0.001	0.016	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.022	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.013	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-06-24 10:30

Samp Use: Field Procedure Blank  
Loc ID: ATHV  
End Date: 2021-06-24 10:31

Set Index: 1  
WBEA ID: 210602584  
Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.168	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.102	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.099	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.088	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.141	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.027	ng/m <sup>3</sup>	V0
Acridine	0.001	0.022	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.033	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.010	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2021-06-27 00:00	Loc ID: BGFM	WBEA ID: 210602562
		End Date: 2021-06-28 00:00	Duration: 24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		23.9	°C	
Pressure		738.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	8.42	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.90	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	7.96	ng/m <sup>3</sup>	V0
Fluorene	0.001	3.83	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	6.53	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.743	ng/m <sup>3</sup>	V0
Acridine	0.001	0.020	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.243	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.377	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.261	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.229	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.031	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.056	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.056	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.031	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210602602
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.2	°C	
Pressure		731.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	11.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.79	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.53	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.39	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	8.64	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.03	ng/m <sup>3</sup>	V0
Acridine	0.001	0.026	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.28	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.34	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.328	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.292	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.091	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.091	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.072	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210602585
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		22.8	°C	
Pressure		741.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.41	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.41	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.96	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.85	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.638	ng/m <sup>3</sup>	V0
Acridine	0.001	0.040	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.994	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.05	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.373	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.332	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.170	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.170	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.042	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210602595
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.7	°C	
Pressure		720.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	13.2	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	17.5	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	18.0	ng/m <sup>3</sup>	V0
Fluorene	0.001	11.1	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	16.4	ng/m <sup>3</sup>	V0
Anthracene	0.001	4.29	ng/m <sup>3</sup>	V0
Acridine	0.001	0.019	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	3.27	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.57	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.095	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.084	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.029	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.029	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.027	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602577
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.7	°C	
Pressure		714.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	17.7	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	22.6	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	19.9	ng/m <sup>3</sup>	V0
Fluorene	0.001	14.1	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	14.3	ng/m <sup>3</sup>	V0
Anthracene	0.001	4.71	ng/m <sup>3</sup>	V0
Acridine	0.001	0.020	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	3.84	ng/m <sup>3</sup>	V0
Pyrene	0.001	3.02	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.216	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.192	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.053	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.053	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.049	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602578
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.7	°C	
Pressure		714.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	16.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	19.2	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	15.5	ng/m <sup>3</sup>	V0
Fluorene	0.001	13.2	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	14.4	ng/m <sup>3</sup>	V0
Anthracene	0.001	4.25	ng/m <sup>3</sup>	V0
Acridine	0.001	0.019	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	3.59	ng/m <sup>3</sup>	V0
Pyrene	0.001	2.74	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.184	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.141	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.064	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.053	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.048	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210602569
Start Date:	2021-06-27 00:00	End Date:	2021-06-28 00:00	Duration:	24.0 hr

### Notes

Low sample volume and short sample duration due to flow range warning. Caused by warm ambient conditions.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.8	°C	
Pressure		721.5	mmHg	
Sample Volume		-9999	m <sup>3</sup>	M2
Naphthalene	0.001	-9999	ng/m <sup>3</sup>	M2
Acenaphthylene	0.001	-9999	ng/m <sup>3</sup>	M2
Acenaphthene	0.001	-9999	ng/m <sup>3</sup>	M2
Fluorene	0.001	-9999	ng/m <sup>3</sup>	M2
Phenanthrene	0.001	-9999	ng/m <sup>3</sup>	M2
Anthracene	0.001	-9999	ng/m <sup>3</sup>	M2
Acridine	0.001	-9999	ng/m <sup>3</sup>	M2
Fluoranthene	0.001	-9999	ng/m <sup>3</sup>	M2
Pyrene	0.001	-9999	ng/m <sup>3</sup>	M2
Benzo(c)phenanthrene	0.001	-9999	ng/m <sup>3</sup>	M2
Benzo(a)anthracene	0.001	-9999	ng/m <sup>3</sup>	M2
Chrysene	0.001	-9999	ng/m <sup>3</sup>	M2
7,12-Dimethylbenz(a)anthracene	0.001	-9999	ng/m <sup>3</sup>	M2
Benzo(b)fluoranthene	0.001	-9999	ng/m <sup>3</sup>	M2
Benzo(k)fluoranthene	0.001	-9999	ng/m <sup>3</sup>	M2
Benzo(a)pyrene	0.001	-9999	ng/m <sup>3</sup>	M2
3-Methylcholanthrene	0.001	-9999	ng/m <sup>3</sup>	M2
Indeno(123-cd)pyrene	0.001	-9999	ng/m <sup>3</sup>	M2
Dibenz(a,h)anthracene	0.001	-9999	ng/m <sup>3</sup>	M2
Benzo(ghi)perylene	0.001	-9999	ng/m <sup>3</sup>	M2
Dibenzo(a,l)pyrene	0.001	-9999	ng/m <sup>3</sup>	M2
Dibenzo(a,i)pyrene	0.001	-9999	ng/m <sup>3</sup>	M2
Dibenzo(a,h)pyrene	0.001	-9999	ng/m <sup>3</sup>	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602640	
Start Date:	2021-06-30 11:40	End Date:	2021-06-30 11:41	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.158	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.117	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.132	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.124	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.124	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.039	ng/m <sup>3</sup>	V0
Acridine	0.001	0.019	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.024	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.014	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-07-02 09:30

Samp Use: Field Procedure Blank  
Loc ID: ANZC  
End Date: 2021-07-02 09:31

Set Index: 1  
WBEA ID: 210702671  
Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.181	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.067	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.090	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.062	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.120	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.023	ng/m <sup>3</sup>	V0
Acridine	0.001	0.016	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.019	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.008	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Bertha Ganter - Fort McKay  
Start Date: 2021-07-03 00:00

Samp Use: Exposure  
Loc ID: BGFM  
End Date: 2021-07-04 00:00

Set Index: 1  
WBEA ID: 210602653  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.9	°C	
Pressure		730.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	3.43	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.94	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.78	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.43	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.43	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.180	ng/m <sup>3</sup>	V0
Acridine	0.001	0.018	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.280	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.328	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.132	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.114	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.036	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-07-03 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-07-04 00:00

Set Index: 1  
WBEA ID: 210702684  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.7	°C	
Pressure		722.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	2.45	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.34	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.659	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.077	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.735	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.105	ng/m <sup>3</sup>	V0
Acridine	0.001	0.021	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.133	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.099	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.052	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.046	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.015	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Set Index: 1
Location:	Athabasca Valley	Samp Use: Exposure	WBEA ID: 210702678
Start Date:	2021-07-03 00:00	Loc ID: ATHV	Duration: 24.0 hr
		End Date: 2021-07-04 00:00	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		20.1	°C	
Pressure		733.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	3.44	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.17	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.03	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.505	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.83	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.133	ng/m <sup>3</sup>	V0
Acridine	0.001	0.026	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.553	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.625	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.120	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.106	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.026	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702672
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.7	°C	
Pressure		712.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	5.75	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	6.30	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.75	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.932	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.50	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.295	ng/m <sup>3</sup>	V0
Acridine	0.001	0.029	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.339	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.530	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.094	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.084	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.031	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210602636
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

### Notes

Small fly found on filter upon collection of the sample.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.9	°C	
Pressure		706.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	17.1	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.07	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	12.1	ng/m <sup>3</sup>	V0
Fluorene	0.001	13.7	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	11.6	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.05	ng/m <sup>3</sup>	V0
Acridine	0.001	0.021	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	4.16	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.76	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.044	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.039	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.019	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Conklin  
Start Date: 2021-07-03 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-07-04 00:00

Set Index: 2  
WBEA ID: 210602639  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.9	°C	
Pressure		706.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	18.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.82	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	13.0	ng/m <sup>3</sup>	V0
Fluorene	0.001	13.9	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	10.5	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.948	ng/m <sup>3</sup>	V0
Acridine	0.001	0.019	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	4.15	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.81	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.040	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.035	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.021	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702666
Start Date:	2021-07-03 00:00	End Date:	2021-07-04 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.8	°C	
Pressure		712.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.36	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.13	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.55	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.901	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.89	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.164	ng/m <sup>3</sup>	V0
Acridine	0.001	0.021	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.310	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.414	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.041	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.036	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.032	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702705	
Start Date:	2021-07-06 14:20	End Date:	2021-07-06 14:21	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.127	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.083	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.241	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.085	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.075	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Acridine	0.001	0.013	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.015	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Chrysene	0.001	-8888	ng/m <sup>3</sup>	V1
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702726
Start Date:	2021-07-07 13:25	End Date:	2021-07-07 13:26	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.173	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.087	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.170	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.075	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.069	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.021	ng/m <sup>3</sup>	V0
Acridine	0.001	0.021	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.011	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.008	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2021-07-09 00:00	Loc ID: BGFM	WBEA ID: 210702706
		End Date: 2021-07-10 00:00	Duration: 24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		27.0	°C	
Pressure		734.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	12.5	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	6.39	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	7.40	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.59	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.27	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.364	ng/m <sup>3</sup>	V0
Acridine	0.001	0.039	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.227	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.500	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.292	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.305	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.041	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.041	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.037	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.021	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-07-09 00:00

### Deployment Information

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-07-10 00:00

Set Index: 1  
WBEA ID: 210702746  
Duration: 24.0 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		24.5	°C	
Pressure		726.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	7.44	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.31	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.609	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.417	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.16	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.180	ng/m <sup>3</sup>	V0
Acridine	0.001	0.022	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.466	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.753	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.238	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.242	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.078	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.078	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.081	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.022	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Set Index: 1
Location:	Athabasca Valley	Samp Use: Exposure	WBEA ID: 210702740
Start Date:	2021-07-09 00:00	Loc ID: ATHV	Duration: 24.0 hr
		End Date: 2021-07-10 00:00	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		24.7	°C	
Pressure		736.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	11.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.56	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.30	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.56	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.40	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.131	ng/m <sup>3</sup>	V0
Acridine	0.001	0.037	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.334	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.561	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.029	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.201	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.213	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.028	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.049	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.049	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.049	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.022	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-07-09 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-07-10 00:00

Set Index: 1  
WBEA ID: 210702734  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		25.3	°C	
Pressure		716.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	22.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	10.2	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	24.7	ng/m <sup>3</sup>	V0
Fluorene	0.001	25.0	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	12.4	ng/m <sup>3</sup>	V0
Anthracene	0.001	3.57	ng/m <sup>3</sup>	V0
Acridine	0.001	0.037	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	5.29	ng/m <sup>3</sup>	V0
Pyrene	0.001	2.60	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.148	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.157	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.039	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.039	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.070	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.021	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702727
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		24.6	°C	
Pressure		709.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	40.7	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	17.1	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	23.2	ng/m <sup>3</sup>	V0
Fluorene	0.001	19.0	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	16.2	ng/m <sup>3</sup>	V0
Anthracene	0.001	2.03	ng/m <sup>3</sup>	V0
Acridine	0.001	0.030	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	8.06	ng/m <sup>3</sup>	V0
Pyrene	0.001	4.32	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.224	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.237	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.023	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.060	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.060	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.050	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702728
Start Date:	2021-07-09 00:00	End Date:	2021-07-10 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		24.6	°C	
Pressure		709.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	41.4	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	16.8	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	21.6	ng/m <sup>3</sup>	V0
Fluorene	0.001	17.7	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	16.5	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.77	ng/m <sup>3</sup>	V0
Acridine	0.001	0.032	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	8.00	ng/m <sup>3</sup>	V0
Pyrene	0.001	4.22	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.238	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.252	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.058	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.058	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.048	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.022	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702782	
Start Date:	2021-07-13 11:50	End Date:	2021-07-13 11:51	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.128	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.101	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.249	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.096	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.069	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.017	ng/m <sup>3</sup>	V0
Acridine	0.001	0.014	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.017	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Chrysene	0.001	-8888	ng/m <sup>3</sup>	V1
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702798
Start Date:	2021-07-14 11:35	End Date:	2021-07-14 11:36	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.117	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.074	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.220	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.080	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.068	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.018	ng/m <sup>3</sup>	V0
Acridine	0.001	0.011	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.011	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.007	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2021-07-15 00:00	Loc ID: BGFM	WBEA ID: 210702783
		End Date: 2021-07-16 00:00	Duration: 24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		23.2	°C	
Pressure		727.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	9.81	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	11.2	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.39	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.869	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.20	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.233	ng/m <sup>3</sup>	V0
Acridine	0.001	0.033	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.283	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.485	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.161	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.165	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.037	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.037	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.043	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.029	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-07-15 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-07-16 00:00

Set Index: 1  
WBEA ID: 210702752  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.5	°C	
Pressure		720.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	4.65	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	9.43	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.414	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.58	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.72	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.346	ng/m <sup>3</sup>	V0
Acridine	0.001	0.012	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.413	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.618	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.144	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.153	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.040	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.040	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.047	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-07-15 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-07-16 00:00

Set Index: 1  
WBEA ID: 210702758  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.1	°C	
Pressure		730.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.87	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	8.67	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.12	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.59	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.84	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.307	ng/m <sup>3</sup>	V0
Acridine	0.001	0.018	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.498	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.745	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.134	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.142	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.048	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.048	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.041	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702764
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.0	°C	
Pressure		709.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	5.57	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	8.59	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	10.9	ng/m <sup>3</sup>	V0
Fluorene	0.001	7.23	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.91	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.930	ng/m <sup>3</sup>	V0
Acridine	0.001	0.020	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.03	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.538	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.081	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.085	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.033	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.033	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.044	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Conklin  
Start Date: 2021-07-15 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-07-16 00:00

Set Index: 1  
WBEA ID: 210702806  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.7	°C	
Pressure		704.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	27.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	12.5	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	29.0	ng/m <sup>3</sup>	V0
Fluorene	0.001	18.8	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	14.1	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.43	ng/m <sup>3</sup>	V0
Acridine	0.001	0.022	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	3.87	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.98	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.205	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.207	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.066	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.066	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.043	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.027	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702807
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.7	°C	
Pressure		704.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	27.0	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	13.1	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	29.6	ng/m <sup>3</sup>	V0
Fluorene	0.001	18.3	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	13.8	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.46	ng/m <sup>3</sup>	V0
Acridine	0.001	0.019	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	3.85	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.98	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.209	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.206	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.060	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.060	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.040	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.027	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702709
Start Date:	2021-07-15 00:00	End Date:	2021-07-16 00:00	Duration:	24.0 hr

### Notes

Short sampling duration and low sample volume due to power failure.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.6	°C	
Pressure		710.7	mmHg	
Sample Volume		276	m <sup>3</sup>	V6
Naphthalene	0.001	2.35	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	15.2	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.534	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.59	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.13	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.254	ng/m <sup>3</sup>	V0
Acridine	0.001	0.026	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.482	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.929	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.196	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.197	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.104	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.104	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.083	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.049	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210702830
Start Date:	2021-07-16 14:05	End Date:	2021-07-16 14:06	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.147	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.052	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.135	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.021	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.050	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Acridine	0.001	0.015	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.008	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.002	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702847	
Start Date:	2021-07-19 14:30	End Date:	2021-07-19 14:31	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.128	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.117	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.215	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.106	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.062	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.018	ng/m <sup>3</sup>	V0
Acridine	0.001	0.013	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.021	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.003	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2021-07-21 00:00	Loc ID: BGFM	WBEA ID: 210702848
		End Date: 2021-07-22 00:00	Duration: 24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		16.6	°C	
Pressure		735.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	3.33	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	6.57	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.83	ng/m <sup>3</sup>	V0
Fluorene	0.001	3.28	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.01	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.162	ng/m <sup>3</sup>	V0
Acridine	0.001	0.027	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.249	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.556	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.133	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.137	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.038	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.038	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.048	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.022	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-07-21 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-07-22 00:00

Set Index: 1  
WBEA ID: 210702831  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.4	°C	
Pressure		724.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	22.5	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.10	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.877	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.60	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.73	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.147	ng/m <sup>3</sup>	V0
Acridine	0.001	0.018	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.531	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.812	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.138	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.146	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.044	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.044	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.065	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.019	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210702814
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.5	°C	
Pressure		731.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	3.91	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.68	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.676	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.32	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.62	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.258	ng/m <sup>3</sup>	V0
Acridine	0.001	0.018	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.439	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.716	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.108	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.115	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.044	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.044	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.042	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210702820
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.7	°C	
Pressure		718.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	7.31	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.50	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	19.7	ng/m <sup>3</sup>	V0
Fluorene	0.001	14.1	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	11.4	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.874	ng/m <sup>3</sup>	V0
Acridine	0.001	0.025	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	2.62	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.45	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.027	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.051	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.054	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.039	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.039	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.027	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702868
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.2	°C	
Pressure		710.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	9.31	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	6.15	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	9.06	ng/m <sup>3</sup>	V0
Fluorene	0.001	5.53	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.85	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.732	ng/m <sup>3</sup>	V0
Acridine	0.001	0.021	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.35	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.19	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.239	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.253	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.052	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.052	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.054	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.019	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702869
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.2	°C	
Pressure		710.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	8.94	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	6.50	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	9.65	ng/m <sup>3</sup>	V0
Fluorene	0.001	5.93	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.86	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.780	ng/m <sup>3</sup>	V0
Acridine	0.001	0.021	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.41	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.23	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.213	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.226	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.065	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.065	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.054	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702860
Start Date:	2021-07-21 00:00	End Date:	2021-07-22 00:00	Duration:	24.0 hr

### Notes

Short sample duration and low sample volume due to power failure.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.3	°C	
Pressure		716.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V6
Naphthalene	0.001	10.4	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.14	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.05	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.10	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.92	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.121	ng/m <sup>3</sup>	V0
Acridine	0.001	0.015	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.186	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.487	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.045	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.047	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.025	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.038	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.038	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.031	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-07-22 11:43

Samp Use: Field Procedure Blank  
Loc ID: ATHV  
End Date: 2021-07-22 11:44

Set Index: 1  
WBEA ID: 210702891  
Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.098	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.049	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.087	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.046	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.040	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.008	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.002	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702926	
Start Date:	2021-07-26 11:50	End Date:	2021-07-26 11:51	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.151	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.081	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.235	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.118	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.068	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.020	ng/m <sup>3</sup>	V0
Acridine	0.001	0.017	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.014	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.002	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2021-07-27 00:00	Loc ID:	BGFM
		End Date:	2021-07-28 00:00
		Set Index:	1
		WBEA ID:	210702925
		Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		17.1	°C	
Pressure		734.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	9.29	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.88	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	3.39	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.07	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.77	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.148	ng/m <sup>3</sup>	V0
Acridine	0.001	0.026	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.131	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.301	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.104	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.088	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.035	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.035	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.035	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210702902
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.1	°C	
Pressure		725.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.28	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.19	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.983	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.524	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.81	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.144	ng/m <sup>3</sup>	V0
Acridine	0.001	0.011	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.353	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.448	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.105	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.204	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.227	ng/m <sup>3</sup>	V4
Benzo(k)fluoranthene	0.001	0.227	ng/m <sup>3</sup>	V4
Benzo(a)pyrene	0.001	0.059	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.019	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-07-27 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-07-28 00:00

Set Index: 1  
WBEA ID: 210702890  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.1	°C	
Pressure		736.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	7.00	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.86	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.929	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.950	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.42	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.131	ng/m <sup>3</sup>	V0
Acridine	0.001	0.014	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.234	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.365	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.099	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.105	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.046	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.046	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.040	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-07-27 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-07-28 00:00

Set Index: 1  
WBEA ID: 210702872  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.3	°C	
Pressure		715.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	9.76	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	7.18	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	20.1	ng/m <sup>3</sup>	V0
Fluorene	0.001	10.3	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	5.59	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.317	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.03	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.495	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.027	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.028	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.023	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.018	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702881
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.2	°C	
Pressure		709.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	7.35	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	5.86	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	15.1	ng/m <sup>3</sup>	V0
Fluorene	0.001	8.47	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	9.06	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.07	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	3.58	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.85	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.097	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.103	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.044	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.044	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.024	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Conklin  
Start Date: 2021-07-27 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-07-28 00:00

Set Index: 2  
WBEA ID: 210702882  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.2	°C	
Pressure		709.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.05	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	5.17	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	14.7	ng/m <sup>3</sup>	V0
Fluorene	0.001	8.34	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	9.26	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.902	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	3.26	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.73	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.101	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.105	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.040	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.040	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.024	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.019	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702907
Start Date:	2021-07-27 00:00	End Date:	2021-07-28 00:00	Duration:	24.0 hr

### Notes

Small fly found on filter upon collection of the sample.  
Upon collection of the sample, sampler had a powerfail warning. Resulted in a short sampling duration and a low sample volume.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.6	°C	
Pressure		716.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V6
Naphthalene	0.001	1.15	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.75	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.52	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.590	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.74	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.594	ng/m <sup>3</sup>	V0
Acridine	0.001	0.012	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.133	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.194	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.025	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.026	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.015	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210703013
Start Date:	2021-07-29 11:55	End Date:	2021-07-29 11:56	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.136	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.038	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.132	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.052	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.036	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.013	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.002	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702980	
Start Date:	2021-07-29 13:27	End Date:	2021-07-29 13:28	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.143	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.101	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.225	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.108	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.060	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Acridine	0.001	0.013	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.013	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.003	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2021-08-02 00:00	Loc ID:	BGFM
		End Date:	2021-08-03 00:00
		Set Index:	1
		WBEA ID:	210702979
		Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		21.3	°C	
Pressure		739.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	3.12	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.98	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	3.41	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.89	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.81	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.184	ng/m <sup>3</sup>	V0
Acridine	0.001	0.025	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.146	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.358	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.119	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.122	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.032	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-08-02 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-08-03 00:00

Set Index: 1  
WBEA ID: 210703021  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		27.0	°C	
Pressure		728.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	8.81	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	5.75	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.55	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.924	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.15	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.111	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.350	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.551	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.147	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.156	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.029	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.029	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.044	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-08-02 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-08-03 00:00

Set Index: 1  
WBEA ID: 210703003  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.7	°C	
Pressure		739.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	3.10	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.73	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.25	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.933	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.16	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.151	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.379	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.568	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.118	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.125	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.050	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.050	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.048	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210703014
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.9	°C	
Pressure		713.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	13.2	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	8.77	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	9.33	ng/m <sup>3</sup>	V0
Fluorene	0.001	8.59	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	9.21	ng/m <sup>3</sup>	V0
Anthracene	0.001	3.01	ng/m <sup>3</sup>	V0
Acridine	0.001	0.017	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	6.33	ng/m <sup>3</sup>	V0
Pyrene	0.001	2.10	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.092	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.171	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.065	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.064	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.079	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.023	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702996
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.9	°C	
Pressure		713.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	12.1	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	6.76	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	7.41	ng/m <sup>3</sup>	V0
Fluorene	0.001	3.91	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	10.8	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.36	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	4.16	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.79	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.100	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.105	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.031	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210702997
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

### Notes

Small spider found on filter upon collection of the sample.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.9	°C	
Pressure		713.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	11.9	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	6.61	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	8.27	ng/m <sup>3</sup>	V0
Fluorene	0.001	3.94	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	11.4	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.50	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	4.26	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.88	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.103	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.110	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.031	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210702970
Start Date:	2021-08-02 00:00	End Date:	2021-08-03 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.9	°C	
Pressure		720.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	5.43	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.97	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.01	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.04	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.121	ng/m <sup>3</sup>	V0
Acridine	0.001	0.013	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.413	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.695	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.053	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.063	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.024	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.024	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.053	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.023	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803035	
Start Date:	2021-08-03 11:50	End Date:	2021-08-03 11:51	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.099	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.078	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.106	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.038	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.067	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.014	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.011	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Conklin  
Start Date: 2021-08-04 13:50

Samp Use: Field Procedure Blank  
Loc ID: CONK  
End Date: 2021-08-04 13:51

Set Index: 1  
WBEA ID: 210803071  
Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.086	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.058	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.048	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.036	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.066	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.008	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.009	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2021-08-08 00:00	Loc ID:	BGFM
		End Date:	2021-08-09 00:00
		Set Index:	1
		WBEA ID:	210803034
		Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		13.2	°C	
Pressure		732.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	3.13	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.34	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.70	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.42	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	5.48	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.685	ng/m <sup>3</sup>	V0
Acridine	0.001	0.024	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.081	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.073	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.063	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.010	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.028	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.028	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.021	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-08-08 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-08-09 00:00

Set Index: 1  
WBEA ID: 210803093  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.3	°C	
Pressure		720.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	11.1	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.43	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.67	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.07	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	10.6	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.19	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.820	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.663	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.083	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.080	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.024	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.024	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.033	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.021	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-08-08 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-08-09 00:00

Set Index: 1  
WBEA ID: 210803087  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.0	°C	
Pressure		732.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	1.98	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.31	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.22	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.25	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.84	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.793	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.115	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.111	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.043	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.096	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.050	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.050	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.074	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.020	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-08-08 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-08-09 00:00

Set Index: 1  
WBEA ID: 210803080  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.0	°C	
Pressure		713.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	14.5	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.50	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	7.18	ng/m <sup>3</sup>	V0
Fluorene	0.001	9.00	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	14.4	ng/m <sup>3</sup>	V0
Anthracene	0.001	2.81	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.10	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.425	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.094	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.082	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.038	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803072
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.5	°C	
Pressure		704.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	4.42	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.22	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	4.12	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.82	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	15.5	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.78	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.814	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.283	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.075	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.044	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.021	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803073
Start Date:	2021-08-08 00:00	End Date:	2021-08-09 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.8	°C	
Pressure		704.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	4.71	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.67	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	4.72	ng/m <sup>3</sup>	V0
Fluorene	0.001	3.04	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	16.9	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.98	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.783	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.309	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.076	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.060	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.025	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Janvier  
Start Date: 2021-08-08 00:00

Samp Use: Exposure  
Loc ID: JANV  
End Date: 2021-08-09 00:00

Set Index: 1  
WBEA ID: 210803059  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.5	°C	
Pressure		711.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.19	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.98	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.59	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.62	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.14	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.467	ng/m <sup>3</sup>	V0
Acridine	0.001	0.014	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.332	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.245	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.086	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.065	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.036	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.036	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.027	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803116	
Start Date:	2021-08-09 13:51	End Date:	2021-08-09 13:52	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.092	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.081	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.079	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.042	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.068	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.020	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.014	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.017	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Janvier  
Start Date: 2021-08-10 13:30

Samp Use: Field Procedure Blank  
Loc ID: JANV  
End Date: 2021-08-10 13:31

Set Index: 1  
WBEA ID: 210803132  
Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.092	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.044	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.029	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.042	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.063	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.010	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.006	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2021-08-14 00:00	Loc ID: BGFM	WBEA ID: 210803117
		End Date: 2021-08-15 00:00	Duration: 24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		19.2	°C	
Pressure		728.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	5.88	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.25	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	3.91	ng/m <sup>3</sup>	V0
Fluorene	0.001	4.28	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	8.54	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.19	ng/m <sup>3</sup>	V0
Acridine	0.001	0.032	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.178	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.167	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.179	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.083	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.034	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.034	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.038	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-08-14 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-08-15 00:00

Set Index: 1  
WBEA ID: 210803164  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.4	°C	
Pressure		720.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.80	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.27	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.35	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	6.61	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.774	ng/m <sup>3</sup>	V0
Acridine	0.001	0.011	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.156	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.147	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.159	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.101	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.022	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-08-14 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-08-15 00:00

Set Index: 1  
WBEA ID: 210803158  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.7	°C	
Pressure		730.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	11.1	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	8.78	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.38	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.74	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	10.5	ng/m <sup>3</sup>	V0
Anthracene	0.001	2.24	ng/m <sup>3</sup>	V0
Acridine	0.001	0.011	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.617	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.619	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.054	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.016	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.023	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210803152
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.9	°C	
Pressure		709.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	2.28	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.94	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	6.42	ng/m <sup>3</sup>	V0
Fluorene	0.001	5.25	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	16.4	ng/m <sup>3</sup>	V0
Anthracene	0.001	2.68	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.35	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.828	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.714	ng/m <sup>3</sup>	V4
Chrysene	0.001	0.021	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.069	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.068	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.053	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803122
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.2	°C	
Pressure		705.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	2.65	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.58	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	4.96	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.34	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	16.5	ng/m <sup>3</sup>	V0
Anthracene	0.001	2.55	ng/m <sup>3</sup>	V0
Acridine	0.001	0.019	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	2.35	ng/m <sup>3</sup>	V0
Pyrene	0.001	2.24	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.362	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.016	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.043	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.043	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.044	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803123
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.2	°C	
Pressure		705.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	2.67	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.80	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	5.41	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.31	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	16.9	ng/m <sup>3</sup>	V0
Anthracene	0.001	2.63	ng/m <sup>3</sup>	V0
Acridine	0.001	0.019	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	2.67	ng/m <sup>3</sup>	V0
Pyrene	0.001	2.39	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.354	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.019	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.044	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.045	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210803134
Start Date:	2021-08-14 00:00	End Date:	2021-08-15 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.6	°C	
Pressure		711.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	2.39	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	6.87	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.63	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.54	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	11.5	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.76	ng/m <sup>3</sup>	V0
Acridine	0.001	0.004	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.211	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.264	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.184	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.104	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.075	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803192	
Start Date:	2021-08-16 14:12	End Date:	2021-08-16 14:13	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.102	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.044	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.058	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.030	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.067	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.025	ng/m <sup>3</sup>	V0
Acridine	0.001	0.011	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.013	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.012	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-08-19 14:25

Samp Use: Field Procedure Blank  
Loc ID: PATM  
End Date: 2021-08-19 14:26

Set Index: 1  
WBEA ID: 210803253  
Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.081	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.027	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.038	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.031	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.035	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.006	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2021-08-20 00:00	Loc ID:	BGFM
		End Date:	2021-08-21 00:00
		Set Index:	1
		WBEA ID:	210803193
		Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		12.9	°C	
Pressure		736.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	8.48	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.54	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.84	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.17	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.79	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.04	ng/m <sup>3</sup>	V0
Acridine	0.001	0.018	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.121	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.082	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.061	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.018	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.028	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.028	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.044	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-08-20 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-08-21 00:00

Set Index: 1  
WBEA ID: 210803252  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.9	°C	
Pressure		727.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	11.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.29	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.22	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.64	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	6.33	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.25	ng/m <sup>3</sup>	V0
Acridine	0.001	0.014	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.959	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.627	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.322	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.115	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.070	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-08-20 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-08-21 00:00

Set Index: 1  
WBEA ID: 210803246  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.5	°C	
Pressure		738.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	4.62	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.48	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.32	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.897	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.39	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.342	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.149	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.156	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.107	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.086	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.047	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210803240
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.8	°C	
Pressure		719.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	8.19	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	9.04	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	9.21	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.80	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	18.0	ng/m <sup>3</sup>	V0
Anthracene	0.001	3.62	ng/m <sup>3</sup>	V0
Acridine	0.001	0.010	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.498	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.105	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.068	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.078	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.027	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803201
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.9	°C	
Pressure		709.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	4.49	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.37	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	8.29	ng/m <sup>3</sup>	V0
Fluorene	0.001	3.29	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	22.0	ng/m <sup>3</sup>	V0
Anthracene	0.001	2.76	ng/m <sup>3</sup>	V0
Acridine	0.001	0.015	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.13	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.455	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.249	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.103	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.025	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.025	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.028	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803202
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

### Notes

Small white fibers found on filter upon collection of the sample.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.9	°C	
Pressure		709.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	4.64	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.53	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	7.81	ng/m <sup>3</sup>	V0
Fluorene	0.001	3.37	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	21.2	ng/m <sup>3</sup>	V0
Anthracene	0.001	2.58	ng/m <sup>3</sup>	V0
Acridine	0.001	0.017	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.12	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.431	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.238	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.101	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.023	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.023	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.029	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210803210
Start Date:	2021-08-20 00:00	End Date:	2021-08-21 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.2	°C	
Pressure		717.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	2.31	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.71	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	5.77	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.833	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.23	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.387	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.099	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.070	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.042	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.011	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.018	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley		Loc ID:	ATHV	WBEA ID:	210803270
Start Date:	2021-08-23 14:05		End Date:	2021-08-23 14:06	Duration:	0.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.105	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.070	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.046	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.047	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.056	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.013	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.012	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803286	
Start Date:	2021-08-24 13:20	End Date:	2021-08-24 13:21	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.078	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.076	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.077	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.029	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.030	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.019	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.012	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.017	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2021-08-26 00:00	Loc ID: BGFM	WBEA ID: 210803287
		End Date: 2021-08-27 00:00	Duration: 24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		15.4	°C	
Pressure		732.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.90	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.51	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	6.92	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.98	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	10.2	ng/m <sup>3</sup>	V0
Anthracene	0.001	2.10	ng/m <sup>3</sup>	V0
Acridine	0.001	0.011	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.337	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.166	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.165	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.015	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.042	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.042	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.029	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-08-26 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-08-27 00:00

Set Index: 1  
WBEA ID: 210803263  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.6	°C	
Pressure		724.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	3.26	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.73	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.35	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.940	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	13.4	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.50	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.14	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.573	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.254	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.014	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.052	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.070	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.012	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-08-26 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-08-27 00:00

Set Index: 1  
WBEA ID: 210803271  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.9	°C	
Pressure		734.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	1.96	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.59	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.24	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.26	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	7.13	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.809	ng/m <sup>3</sup>	V0
Acridine	0.001	0.010	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.453	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.513	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.135	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.020	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.041	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.041	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.055	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.023	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-08-26 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-08-27 00:00

Set Index: 1  
WBEA ID: 210803315  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.0	°C	
Pressure		717.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	2.26	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.60	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	8.42	ng/m <sup>3</sup>	V0
Fluorene	0.001	5.07	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	18.9	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.87	ng/m <sup>3</sup>	V0
Acridine	0.001	0.010	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	2.53	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.733	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.109	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.095	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.050	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.016	ng/m <sup>3</sup>	V4
Dibenzo(a,h)pyrene	0.001	0.036	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803302
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

### Notes

Sample collected during rainstorm

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.4	°C	
Pressure		708.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	2.87	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.07	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	7.20	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.73	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	10.8	ng/m <sup>3</sup>	V0
Anthracene	0.001	2.32	ng/m <sup>3</sup>	V0
Acridine	0.001	0.018	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.773	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.394	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.226	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.136	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.048	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.019	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Conklin  
Start Date: 2021-08-26 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-08-27 00:00

Set Index: 2  
WBEA ID: 210803303  
Duration: 24.0 hr

### Notes

Sample collected during rainstorm

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.4	°C	
Pressure		708.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	2.67	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.20	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	7.69	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.53	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	11.6	ng/m <sup>3</sup>	V0
Anthracene	0.001	2.64	ng/m <sup>3</sup>	V0
Acridine	0.001	0.019	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.752	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.356	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.214	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.124	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.050	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.019	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210803309
Start Date:	2021-08-26 00:00	End Date:	2021-08-27 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.8	°C	
Pressure		716.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	2.41	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.22	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.50	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.23	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.19	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.281	ng/m <sup>3</sup>	V0
Acridine	0.001	0.004	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.118	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.074	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.046	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.060	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.065	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-08-27 09:36

Samp Use: Field Procedure Blank  
Loc ID: ANZC  
End Date: 2021-08-27 09:37

Set Index: 1  
WBEA ID: 210803318  
Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.080	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.036	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.033	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.032	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.048	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.005	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay		Loc ID:	BGFM	WBEA ID:	210803358
Start Date:	2021-08-30 15:08		End Date:	2021-08-30 15:09	Duration:	0.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.071	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.051	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.066	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.036	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.080	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.031	ng/m <sup>3</sup>	V0
Acridine	0.001	0.011	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.019	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.001	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.020	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2021-09-01 00:00	Loc ID:	BGFM
		End Date:	2021-09-02 00:00
		Set Index:	1
		WBEA ID:	210803362
		Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		15.2	°C	
Pressure		727.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	7.94	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.86	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	3.49	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.58	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	10.2	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.14	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.287	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.262	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.030	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.029	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.041	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-09-01 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-09-02 00:00

Set Index: 1  
WBEA ID: 210803343  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.6	°C	
Pressure		719.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	3.46	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.05	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.55	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.18	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.12	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.851	ng/m <sup>3</sup>	V0
Acridine	0.001	0.011	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.212	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.127	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.076	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.015	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.023	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(k)fluoranthene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(a)pyrene	0.001	0.023	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-09-01 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-09-02 00:00

Set Index: 1  
WBEA ID: 210803319  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.0	°C	
Pressure		709.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.07	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.27	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	15.3	ng/m <sup>3</sup>	V0
Fluorene	0.001	7.23	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	20.0	ng/m <sup>3</sup>	V0
Anthracene	0.001	2.14	ng/m <sup>3</sup>	V0
Acridine	0.001	0.014	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.08	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.373	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.094	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.080	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.034	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210803382
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.3	°C	
Pressure		702.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	9.82	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.49	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	5.35	ng/m <sup>3</sup>	V0
Fluorene	0.001	4.07	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	15.1	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.86	ng/m <sup>3</sup>	V0
Acridine	0.001	0.019	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.14	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.683	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.161	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.129	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.023	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.023	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.032	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.017	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Conklin  
Start Date: 2021-09-01 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-09-02 00:00

Set Index: 2  
WBEA ID: 210803381  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.3	°C	
Pressure		702.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	9.16	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.46	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	5.53	ng/m <sup>3</sup>	V0
Fluorene	0.001	3.79	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	14.5	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.85	ng/m <sup>3</sup>	V0
Acridine	0.001	0.017	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.04	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.654	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.156	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.129	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.034	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210803387
Start Date:	2021-09-01 00:00	End Date:	2021-09-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.2	°C	
Pressure		709.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	2.52	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.79	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.09	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.44	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.14	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.373	ng/m <sup>3</sup>	V0
Acridine	0.001	0.014	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.158	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.091	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.031	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.025	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903413	
Start Date:	2021-09-02 14:30	End Date:	2021-09-02 14:31	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.127	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.096	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.058	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.040	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.077	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.022	ng/m <sup>3</sup>	V0
Acridine	0.001	0.005	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.009	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.001	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.020	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903467
Start Date:	2021-09-03 11:10	End Date:	2021-09-03 11:11	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.063	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.037	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.225	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.012	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.044	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.010	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2021-09-07 00:00	Loc ID: BGFM	WBEA ID: 210903417
		End Date: 2021-09-08 00:00	Duration: 24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		17.1	°C	
Pressure		734.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	7.12	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.74	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.12	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.29	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.76	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.604	ng/m <sup>3</sup>	V0
Acridine	0.001	0.013	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.139	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.331	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.051	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.040	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.031	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-09-07 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-09-08 00:00

Set Index: 1  
WBEA ID: 210903466  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.9	°C	
Pressure		727.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	9.69	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.47	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.04	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.37	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.30	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.464	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.181	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.076	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.008	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.034	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-09-07 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-09-08 00:00

Set Index: 1  
WBEA ID: 210803334  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.2	°C	
Pressure		737.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	1.66	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.36	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.83	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.40	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.83	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.660	ng/m <sup>3</sup>	V0
Acridine	0.001	0.013	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.097	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.090	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.088	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.062	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.019	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-09-07 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-09-08 00:00

Set Index: 1  
WBEA ID: 210903441  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.8	°C	
Pressure		716.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	3.42	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	10.1	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	19.1	ng/m <sup>3</sup>	V0
Fluorene	0.001	9.18	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	14.9	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.47	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.535	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.337	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.067	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.057	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.019	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Conklin  
Start Date: 2021-09-07 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-09-08 00:00

Set Index: 1  
WBEA ID: 210903468  
Duration: 24.0 hr

### Notes

Small fibers found on filter upon collection of the sample. Likely poplar fluff.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.7	°C	
Pressure		710.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	5.48	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	7.96	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	12.6	ng/m <sup>3</sup>	V0
Fluorene	0.001	4.76	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	13.0	ng/m <sup>3</sup>	V0
Anthracene	0.001	3.43	ng/m <sup>3</sup>	V0
Acridine	0.001	0.018	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	3.13	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.755	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.136	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.123	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.078	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.078	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.066	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.019	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903469
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.7	°C	
Pressure		710.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	5.94	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	8.12	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	12.6	ng/m <sup>3</sup>	V0
Fluorene	0.001	4.59	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	12.4	ng/m <sup>3</sup>	V0
Anthracene	0.001	3.75	ng/m <sup>3</sup>	V0
Acridine	0.001	0.016	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	2.95	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.716	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.141	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.123	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.077	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.077	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.066	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.019	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903452
Start Date:	2021-09-07 00:00	End Date:	2021-09-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.3	°C	
Pressure		718.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	3.59	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.882	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.97	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.13	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.21	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.512	ng/m <sup>3</sup>	V0
Acridine	0.001	0.005	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.141	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.085	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.091	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.099	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.041	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.041	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.030	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.018	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier		Loc ID:	JANV	WBEA ID:	210903480
Start Date:	2021-09-08 11:40		End Date:	2021-09-08 11:41	Duration:	0.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.080	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.022	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.085	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.002	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.045	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Acridine	0.001	-8888	ng/m <sup>3</sup>	V1
Fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.001	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.001	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay		Loc ID:	BGFM	WBEA ID:	210903512
Start Date:	2021-09-09 14:05		End Date:	2021-09-09 14:06	Duration:	0.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.166	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.063	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.111	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.028	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.055	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Acridine	0.001	-8888	ng/m <sup>3</sup>	V1
Fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.006	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(b)fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2021-09-13 00:00	Loc ID:	BGFM
		End Date:	2021-09-14 00:00
		Set Index:	1
		WBEA ID:	210903513
		Duration:	24.0 hr

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### Notes

Small fibers found on filter upon collection of the sample. Likely poplar fluff.

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		12.6	°C	
Pressure		729.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.78	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.47	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.47	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.698	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.31	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.141	ng/m <sup>3</sup>	V0
Acridine	0.001	0.005	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.113	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.116	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.018	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.040	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.033	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	210903543
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.9	°C	
Pressure		722.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	3.26	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.90	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.85	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.42	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.10	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.121	ng/m <sup>3</sup>	V0
Acridine	0.001	0.004	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.222	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.174	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.007	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.027	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH	Samp Use: Exposure	Set Index: 1
Location: Athabasca Valley	Loc ID: ATHV	WBEA ID: 210903534
Start Date: 2021-09-13 00:00	End Date: 2021-09-14 00:00	Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.2	°C	
Pressure		733.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.38	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.72	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.96	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.37	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.12	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.118	ng/m <sup>3</sup>	V0
Acridine	0.001	0.005	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.192	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.221	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.016	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.031	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903526
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.3	°C	
Pressure		711.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.99	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.67	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.02	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.54	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.41	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.146	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.292	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.276	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.018	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.023	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.029	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903493
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

### Notes

Upon deployment of the sample, gloved finger accidentally touched filter.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.5	°C	
Pressure		706.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	15.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.08	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	6.43	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.57	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	7.33	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.844	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.756	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.458	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.024	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.049	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.027	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.026	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903494
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.1	°C	
Pressure		705.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	15.5	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.12	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	6.67	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.40	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	7.68	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.806	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.738	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.477	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.022	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.042	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.031	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.032	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.027	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903481
Start Date:	2021-09-13 00:00	End Date:	2021-09-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.7	°C	
Pressure		708.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	11.3	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.13	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.13	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.887	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.21	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.123	ng/m <sup>3</sup>	V0
Acridine	0.001	0.004	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.126	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.169	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.036	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.022	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.023	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.024	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903567	
Start Date:	2021-09-14 14:50	End Date:	2021-09-14 14:51	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.157	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.071	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.087	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.023	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.060	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.008	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes		Loc ID:	PATM	WBEA ID:	210903602
Start Date:	2021-09-15 13:20		End Date:	2021-09-15 13:21	Duration:	0.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.064	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.011	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.081	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.003	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.038	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Acridine	0.001	-8888	ng/m <sup>3</sup>	V1
Fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Benz(a)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Chrysene	0.001	-8888	ng/m <sup>3</sup>	V1
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2021-09-19 00:00	Loc ID:	BGFM
		End Date:	2021-09-20 00:00
		Set Index:	1
		WBEA ID:	210903568
		Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		5.9	°C	
Pressure		726.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	14.7	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.23	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	3.15	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.72	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.66	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.240	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.145	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.194	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.049	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.087	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.120	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.039	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-09-19 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-09-20 00:00

Set Index: 1  
WBEA ID: 210903608  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.9	°C	
Pressure		717.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	7.14	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.96	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.29	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.851	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.05	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.131	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.105	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.120	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.022	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.034	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.023	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-09-19 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-09-20 00:00

Set Index: 1  
WBEA ID: 210903579  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.5	°C	
Pressure		726.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	20.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.21	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.11	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.01	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.74	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.222	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.368	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.347	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.029	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.087	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.034	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.034	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.034	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	0.028	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903594
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.4	°C	
Pressure		706.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	7.86	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.00	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	3.20	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.43	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.23	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.143	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.548	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.521	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.030	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.052	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.031	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.024	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.025	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903584
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.8	°C	
Pressure		701.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.3	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.89	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	4.59	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.55	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.56	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.544	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.540	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.402	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.033	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.039	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.041	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.041	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.039	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.027	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903585
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.8	°C	
Pressure		701.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	9.04	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.78	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	4.42	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.61	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.85	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.499	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.587	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.392	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.033	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.039	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.045	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.045	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.033	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.029	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903605
Start Date:	2021-09-19 00:00	End Date:	2021-09-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.7	°C	
Pressure		708.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	7.83	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.31	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.596	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.08	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.08	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.128	ng/m <sup>3</sup>	V0
Acridine	0.001	0.010	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.119	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.163	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.035	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.032	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903640	
Start Date:	2021-09-22 10:30	End Date:	2021-09-22 10:31	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.116	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.064	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.071	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.026	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.045	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Acridine	0.001	-8888	ng/m <sup>3</sup>	V1
Fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.007	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(b)fluoranthene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
3-Methylcholanthrene	0.001	0.001	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	210903668
Start Date:	2021-09-23 10:20	End Date:	2021-09-23 10:21	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.154	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.059	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.125	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.013	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.051	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.006	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2021-09-25 00:00	Loc ID: BGFM	WBEA ID: 210903642
		End Date: 2021-09-26 00:00	Duration: 24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		12.9	°C	
Pressure		727.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	19.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	5.04	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	5.89	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.20	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.02	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.238	ng/m <sup>3</sup>	V0
Acridine	0.001	0.004	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.194	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.303	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.038	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.098	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.032	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-09-25 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-09-26 00:00

Set Index: 1  
WBEA ID: 210903687  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.9	°C	
Pressure		718.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	16.5	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.77	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.757	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.603	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.99	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.219	ng/m <sup>3</sup>	V0
Acridine	0.001	0.013	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.265	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.304	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.037	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.094	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.065	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.069	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.052	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.028	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.063	ng/m <sup>3</sup>	V4
Dibenzo(a,l)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-09-25 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-09-26 00:00

Set Index: 1  
WBEA ID: 210903670  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.5	°C	
Pressure		728.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	18.5	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.07	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.08	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.747	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.87	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.246	ng/m <sup>3</sup>	V0
Acridine	0.001	0.013	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.310	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.369	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.047	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.067	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.036	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.037	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.057	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-09-25 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-09-26 00:00

Set Index: 1  
WBEA ID: 210903678  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.0	°C	
Pressure		707.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	21.1	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	5.92	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	16.2	ng/m <sup>3</sup>	V0
Fluorene	0.001	9.15	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	10.7	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.13	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.700	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.554	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.076	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.174	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.160	ng/m <sup>3</sup>	V4
Benzo(k)fluoranthene	0.001	0.162	ng/m <sup>3</sup>	V4
Benzo(a)pyrene	0.001	0.057	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.057	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.023	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.029	ng/m <sup>3</sup>	V4
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	210903624
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.4	°C	
Pressure		702.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	26.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.91	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	11.4	ng/m <sup>3</sup>	V0
Fluorene	0.001	6.15	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	9.85	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.837	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.807	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.548	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.059	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.118	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.042	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.043	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.050	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.041	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903630
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.8	°C	
Pressure		709.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	9.70	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.46	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.577	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.05	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.06	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.254	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.154	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.136	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.032	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.032	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.025	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.025	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.024	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903631
Start Date:	2021-09-25 00:00	End Date:	2021-09-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.8	°C	
Pressure		709.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	9.09	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.69	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.590	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.12	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.26	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.307	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.162	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.124	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.034	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.035	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.025	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.025	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.024	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903711
Start Date:	2021-09-28 09:05	End Date:	2021-09-28 09:06	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.189	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.098	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.131	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.031	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.068	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.008	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.006	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.001	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903746	
Start Date:	2021-09-29 10:55	End Date:	2021-09-29 10:56	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.217	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.108	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.123	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.047	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.056	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Acridine	0.001	0.002	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.009	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(b)fluoranthene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2021-10-01 00:00	Loc ID: BGFM	WBEA ID: 210903747
		End Date: 2021-10-02 00:00	Duration: 24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		11.8	°C	
Pressure		735.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	17.0	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.39	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	7.43	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.771	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.27	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.538	ng/m <sup>3</sup>	V0
Acridine	0.001	0.005	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.269	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.472	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.061	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.136	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.036	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-10-01 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-10-02 00:00

Set Index: 1  
WBEA ID: 210903728  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.7	°C	
Pressure		727.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	14.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.56	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.876	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.943	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.09	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.641	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.415	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.375	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.043	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.124	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.070	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.071	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.042	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.044	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.021	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-10-01 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-10-02 00:00

Set Index: 1  
WBEA ID: 210903718  
Duration: 24.0 hr

### Notes

Upon collection of the sample, sampler had a powerfail warning. Resulted in a short sampling duration and low sample volume.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.9	°C	
Pressure		737.1	mmHg	
Sample Volume		294	m <sup>3</sup>	V6
Naphthalene	0.001	20.5	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.10	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.54	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.72	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.31	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.426	ng/m <sup>3</sup>	V0
Acridine	0.001	0.011	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.724	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.620	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.083	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.097	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.194	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.196	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.064	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.124	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.024	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.025	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	210903712
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.9	°C	
Pressure		716.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	21.7	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	6.77	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	5.02	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.18	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.32	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.496	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.406	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.274	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.034	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.057	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.035	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.035	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.023	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Conklin  
Start Date: 2021-10-01 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-10-02 00:00

Set Index: 1  
WBEA ID: 210903698  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.5	°C	
Pressure		711.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	19.4	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	5.30	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	6.50	ng/m <sup>3</sup>	V0
Fluorene	0.001	5.78	ng/m <sup>3</sup>	V4
Phenanthrene	0.001	5.81	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.465	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.462	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.250	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.017	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.053	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.017	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903704
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.4	°C	
Pressure		718.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	13.1	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.88	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.992	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.99	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.74	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.186	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.295	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.260	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.029	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.034	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.022	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Janvier	Loc ID:	JANV	WBEA ID:	210903705
Start Date:	2021-10-01 00:00	End Date:	2021-10-02 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.4	°C	
Pressure		718.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	13.9	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.00	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.05	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.00	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.79	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.187	ng/m <sup>3</sup>	V0
Acridine	0.001	0.010	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.311	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.289	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.033	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.037	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.021	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211003872
Start Date:	2021-10-05 13:40	End Date:	2021-10-05 13:41	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.117	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.079	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.086	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.058	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.037	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.008	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.004	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.001	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211003902	
Start Date:	2021-10-06 14:25	End Date:	2021-10-06 14:26	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.161	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.119	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.145	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.051	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.075	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Acridine	0.001	0.001	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Chrysene	0.001	-8888	ng/m <sup>3</sup>	V1
7,12-Dimethylbenz(a)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(b)fluoranthene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2021-10-07 00:00	Loc ID: BGFM	WBEA ID: 211003903
		End Date: 2021-10-08 00:00	Duration: 24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		5.8	°C	
Pressure		732.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	12.1	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	8.68	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.77	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.642	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.17	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.217	ng/m <sup>3</sup>	V0
Acridine	0.001	0.011	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.221	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.213	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.084	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.085	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.023	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.023	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211003818
Start Date:	2021-10-07 00:00	End Date:	2021-10-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.7	°C	
Pressure		724.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.06	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.41	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.657	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.611	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.962	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.269	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.257	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.232	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.030	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.095	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.050	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.050	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.014	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.001	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.035	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-10-07 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-10-08 00:00

Set Index: 1  
WBEA ID: 211003807  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.5	°C	
Pressure		735.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.9	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.35	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.704	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.648	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.971	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.206	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.260	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.277	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.035	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.044	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-10-07 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-10-08 00:00

Set Index: 1  
WBEA ID: 211003791  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.8	°C	
Pressure		713.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	4.82	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.22	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.46	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.06	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.972	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.182	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.104	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.061	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.044	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.015	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.015	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Conklin  
Start Date: 2021-10-07 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-10-08 00:00

Set Index: 1  
WBEA ID: 211003873  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.7	°C	
Pressure		708.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	7.48	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.67	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	5.78	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.73	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.28	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.496	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.382	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.217	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.063	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.065	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.056	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.056	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.037	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Janvier  
Start Date: 2021-10-07 00:00

Samp Use: Exposure  
Loc ID: JANV  
End Date: 2021-10-08 00:00

Set Index: 1  
WBEA ID: 211003879  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.9	°C	
Pressure		715.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	5.19	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.12	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.434	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.689	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.26	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.250	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.200	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.241	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.047	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.059	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.032	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.032	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.041	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.023	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211003880
Start Date:	2021-10-07 00:00	End Date:	2021-10-08 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.8	°C	
Pressure		715.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	5.31	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.09	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.482	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.620	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.13	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.219	ng/m <sup>3</sup>	V0
Acridine	0.001	0.005	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.202	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.230	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.038	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.052	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.028	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.028	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.039	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211003917
Start Date:	2021-10-08 12:50	End Date:	2021-10-08 12:51	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.142	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.081	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.092	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.072	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.036	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Acridine	0.001	0.002	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.008	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.007	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.001	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211003940	
Start Date:	2021-10-08 13:50	End Date:	2021-10-08 13:51	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.148	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.128	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.149	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.064	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.059	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Acridine	0.001	0.002	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.001	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Chrysene	0.001	-8888	ng/m <sup>3</sup>	V1
7,12-Dimethylbenz(a)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(b)fluoranthene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(k)fluoranthene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(a)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.001	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211003939
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		5.6	°C	
Pressure		731.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	16.3	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.83	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	3.00	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.53	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.51	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.400	ng/m <sup>3</sup>	V0
Acridine	0.001	0.014	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.270	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.404	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.099	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.128	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.028	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.028	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.032	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-10-13 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-10-14 00:00

Set Index: 1  
WBEA ID: 211003959  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.5	°C	
Pressure		723.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.57	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.09	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.827	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.767	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.42	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.800	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.891	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.849	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.102	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.132	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.119	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.118	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.094	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.039	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-10-13 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-10-14 00:00

Set Index: 1  
WBEA ID: 211003952  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.5	°C	
Pressure		733.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.82	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.77	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.606	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.611	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.999	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.149	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.301	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.396	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.027	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.036	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.061	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.061	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.042	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.051	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-10-13 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-10-14 00:00

Set Index: 1  
WBEA ID: 211003941  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.4	°C	
Pressure		711.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	5.15	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.93	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.14	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.601	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.623	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.061	ng/m <sup>3</sup>	V0
Acridine	0.001	0.002	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.085	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.036	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.035	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.003	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211003907
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.9	°C	
Pressure		706.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	8.89	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.72	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.76	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.924	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.07	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.360	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.276	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.236	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.049	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.089	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.046	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.046	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.030	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.031	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211003918
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.8	°C	
Pressure		714.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	5.65	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.52	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.672	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.22	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.46	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.300	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.232	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.328	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.026	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.167	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.041	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.041	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.037	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211003919
Start Date:	2021-10-13 00:00	End Date:	2021-10-14 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.8	°C	
Pressure		714.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	5.37	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.71	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.686	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.34	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.62	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.294	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.248	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.310	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.031	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.159	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.046	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.046	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.037	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.021	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211004045	
Start Date:	2021-10-14 15:20	End Date:	2021-10-14 15:21	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.213	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.124	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.135	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.060	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.054	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Acridine	0.001	-8888	ng/m <sup>3</sup>	V1
Fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Chrysene	0.001	0.001	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211004073
Start Date:	2021-10-15 10:15	End Date:	2021-10-15 10:16	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.094	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.043	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.052	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.057	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.045	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Acridine	0.001	0.002	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.009	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.003	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2021-10-19 00:00	Loc ID: BGFM	WBEA ID: 211004046
		End Date: 2021-10-20 00:00	Duration: 24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		0.3	°C	
Pressure		742.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	18.4	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.35	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.59	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.62	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.64	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.611	ng/m <sup>3</sup>	V0
Acridine	0.001	0.014	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.530	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.468	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.117	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.158	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.026	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-10-19 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-10-20 00:00

Set Index: 1  
WBEA ID: 211004074  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.1	°C	
Pressure		733.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	5.36	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.91	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.625	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.377	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.732	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.205	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.218	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.231	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.035	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.060	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.042	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.042	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.028	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.031	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211004067
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		1.2	°C	
Pressure		744.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	7.09	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.40	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.615	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.618	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.18	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.427	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.380	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.416	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.096	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.140	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.135	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.135	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.049	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.031	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211004080
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.4	°C	
Pressure		722.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.2	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.297	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	3.41	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.72	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.42	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.231	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.179	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.079	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.139	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.008	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.216	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.216	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.021	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211004318
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.1	°C	
Pressure		716.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	7.18	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.729	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.85	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.884	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.47	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.449	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.435	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.386	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.078	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.101	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.244	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.244	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.107	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.034	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211004385
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.6	°C	
Pressure		724.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.81	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.75	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.676	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.814	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.22	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.204	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.481	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.511	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.091	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.202	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.115	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.115	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.067	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.029	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.019	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211004398
Start Date:	2021-10-19 00:00	End Date:	2021-10-20 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.6	°C	
Pressure		724.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.58	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.56	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.615	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.852	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.25	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.186	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.470	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.514	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.094	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.215	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.109	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.109	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.061	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.030	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley		Loc ID:	ATHV	WBEA ID:	211004419
Start Date:	2021-10-20 12:15		End Date:	2021-10-20 12:16	Duration:	0.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.125	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.086	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.082	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.081	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.061	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.008	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.007	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211004446	
Start Date:	2021-10-21 14:55	End Date:	2021-10-21 14:56	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.207	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.147	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.138	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.074	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.069	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.021	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Chrysene	0.001	-8888	ng/m <sup>3</sup>	V1
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Bertha Ganter - Fort McKay  
Start Date: 2021-10-25 00:00

Samp Use: Exposure  
Loc ID: BGFM  
End Date: 2021-10-26 00:00

Set Index: 1  
WBEA ID: 211004447  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.9	°C	
Pressure		722.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	5.94	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.56	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.43	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.39	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.24	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.162	ng/m <sup>3</sup>	V0
Acridine	0.001	0.013	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.161	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.198	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.035	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.076	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.018	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.027	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-10-25 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-10-26 00:00

Set Index: 1  
WBEA ID: 211004413  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.6	°C	
Pressure		713.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.9	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.84	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.999	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.696	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.06	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.152	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.285	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.254	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.024	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.050	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.152	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.152	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.027	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-10-25 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-10-26 00:00

Set Index: 1  
WBEA ID: 211004420  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.9	°C	
Pressure		723.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	13.1	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.23	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.772	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.721	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.13	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.440	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.297	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.277	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.022	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.039	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.107	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.107	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.031	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-10-25 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-10-26 00:00

Set Index: 1  
WBEA ID: 211004426  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.4	°C	
Pressure		702.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	3.79	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.47	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.65	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.05	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.32	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.272	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.321	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.161	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.060	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.073	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.194	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.193	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.022	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.024	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211004454
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.0	°C	
Pressure		696.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	4.58	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.06	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.750	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.608	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.875	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.344	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.253	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.176	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.035	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.043	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.238	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.238	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.031	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.023	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211004501
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.6	°C	
Pressure		704.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	3.64	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.77	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.584	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.425	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.644	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.098	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.148	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.138	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.042	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.053	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.093	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.093	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.030	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.027	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211004502
Start Date:	2021-10-25 00:00	End Date:	2021-10-26 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.6	°C	
Pressure		704.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	3.53	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.57	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.473	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.402	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.580	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.098	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.147	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.126	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.023	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.023	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.094	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.094	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.028	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211004663	
Start Date:	2021-10-27 14:40	End Date:	2021-10-27 14:41	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.186	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.096	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.132	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.059	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.069	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.020	ng/m <sup>3</sup>	V0
Acridine	0.001	-8888	ng/m <sup>3</sup>	V1
Fluoranthene	0.001	-8888	ng/m <sup>3</sup>	V1
Pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.001	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Chrysene	0.001	-8888	ng/m <sup>3</sup>	V1
7,12-Dimethylbenz(a)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(b)fluoranthene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211004709
Start Date:	2021-10-28 09:45	End Date:	2021-10-28 09:46	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.104	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.055	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.079	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.046	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.065	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.009	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.001	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.004	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.001	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Bertha Ganter - Fort McKay  
Start Date: 2021-10-31 00:00

Samp Use: Exposure  
Loc ID: BGFM  
End Date: 2021-11-01 00:00

Set Index: 1  
WBEA ID: 211004664  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.2	°C	
Pressure		744.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	14.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.17	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	6.56	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.26	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.76	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.579	ng/m <sup>3</sup>	V0
Acridine	0.001	0.013	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.546	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.35	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.030	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.092	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.027	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.027	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.024	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-10-31 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-11-01 00:00

Set Index: 1  
WBEA ID: 211004722  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.2	°C	
Pressure		734.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	16.1	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.90	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.07	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.444	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.906	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.155	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.322	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.418	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.037	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.135	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.410	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.410	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.067	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.029	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-10-31 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-11-01 00:00

Set Index: 1  
WBEA ID: 211004716  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.5	°C	
Pressure		745.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	22.3	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	6.39	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.35	ng/m <sup>3</sup>	V0
Fluorene	0.001	3.88	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.76	ng/m <sup>3</sup>	V0
Anthracene	0.001	1.98	ng/m <sup>3</sup>	V4
Acridine	0.001	0.005	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	2.29	ng/m <sup>3</sup>	V0
Pyrene	0.001	2.07	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.327	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.361	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.570	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.569	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.066	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.034	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.023	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.027	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211004710
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.2	°C	
Pressure		723.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	8.73	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.06	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.66	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.02	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.92	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.568	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.428	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.322	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.047	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.149	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.149	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.144	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.065	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.029	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Conklin  
Start Date: 2021-10-31 00:00

Samp Use: Exposure  
Loc ID: CONK  
End Date: 2021-11-01 00:00

Set Index: 1  
WBEA ID: 211004635  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.9	°C	
Pressure		718.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	22.1	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.72	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	5.67	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.56	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.00	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.672	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.534	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.612	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.124	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.430	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.241	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.241	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.073	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.024	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.024	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211004628
Start Date:	2021-10-31 00:00	End Date:	2021-11-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.1	°C	
Pressure		725.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	5.00	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.12	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.668	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.444	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.648	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.087	ng/m <sup>3</sup>	V0
Acridine	0.001	0.005	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.188	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.192	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.044	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.042	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.087	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.087	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.037	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.026	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Janvier  
Start Date: 2021-10-31 00:00

Samp Use: Exposure  
Loc ID: JANV  
End Date: 2021-11-01 00:00

Set Index: 2  
WBEA ID: 211004629  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.1	°C	
Pressure		725.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	5.45	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.34	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.634	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.492	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.629	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.093	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.179	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.160	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.048	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.049	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.092	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.089	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.039	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.025	ng/m <sup>3</sup>	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211104756
Start Date:	2021-11-02 13:05	End Date:	2021-11-03 13:06	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.113	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.032	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.023	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.015	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.041	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Acridine	0.001	-8888	ng/m <sup>3</sup>	V1
Fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.002	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211104784	
Start Date:	2021-11-03 14:30	End Date:	2021-11-03 14:31	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.222	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.142	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.124	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.087	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.058	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Acridine	0.001	-8888	ng/m <sup>3</sup>	V1
Fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Chrysene	0.001	-8888	ng/m <sup>3</sup>	V1
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211104785
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.1	°C	
Pressure		726.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	14.5	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.03	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	3.81	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.15	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.38	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.307	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.273	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.211	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.023	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.071	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.041	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.041	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.034	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-11-06 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-11-07 00:00

Set Index: 1  
WBEA ID: 211104815  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.9	°C	
Pressure		717.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	21.4	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.07	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.09	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.42	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.19	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.330	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.474	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.495	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.050	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.110	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.075	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.048	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-11-06 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-11-07 00:00

Set Index: 1  
WBEA ID: 211104806  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.4	°C	
Pressure		728.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	42.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.70	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.24	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.31	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.63	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.503	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.07	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.05	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.166	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.193	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.207	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.207	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.054	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.021	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211104798
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

### Notes

Low sample volume due to power blip on sample day.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		1.3	°C	
Pressure		706.3	mmHg	
Sample Volume		277	m <sup>3</sup>	V6
Naphthalene	0.001	49.2	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	7.42	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.69	ng/m <sup>3</sup>	V0
Fluorene	0.001	4.97	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	11.5	ng/m <sup>3</sup>	V4
Anthracene	0.001	1.20	ng/m <sup>3</sup>	V0
Acridine	0.001	0.011	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	2.93	ng/m <sup>3</sup>	V4
Pyrene	0.001	3.84	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.655	ng/m <sup>3</sup>	V0
Chrysene	0.001	1.74	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.677	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.677	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.080	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.056	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.028	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.029	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211104755
Start Date:	2021-11-06 00:00	End Date:	2021-11-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.8	°C	
Pressure		701.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	26.7	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.56	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	3.17	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.70	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.62	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.649	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.09	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.933	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.115	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.136	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.273	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.273	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.075	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.049	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Janvier  
Start Date: 2021-11-06 00:00

Samp Use: Exposure  
Loc ID: JANV  
End Date: 2021-11-07 00:00

Set Index: 1  
WBEA ID: 211104748  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.4	°C	
Pressure		707.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	17.9	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.44	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.782	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.643	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.917	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.138	ng/m <sup>3</sup>	V0
Acridine	0.001	0.005	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.191	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.180	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.024	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.056	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.045	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.048	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.029	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Janvier  
Start Date: 2021-11-06 00:00

Samp Use: Exposure  
Loc ID: JANV  
End Date: 2021-11-07 00:00

Set Index: 2  
WBEA ID: 211104749  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.4	°C	
Pressure		707.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	18.1	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.37	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.737	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.713	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.991	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.131	ng/m <sup>3</sup>	V0
Acridine	0.001	0.005	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.196	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.161	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.022	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.060	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.042	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.043	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.030	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211104851	
Start Date:	2021-11-09 10:45	End Date:	2021-11-09 10:46	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.281	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.271	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.120	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.098	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.104	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Acridine	0.001	0.001	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Chrysene	0.001	-8888	ng/m <sup>3</sup>	V1
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211104881
Start Date:	2021-11-11 12:46	End Date:	2021-11-11 12:47	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.093	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.044	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.040	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.024	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.066	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.008	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.002	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2021-11-12 00:00	Loc ID:	BGFM
		End Date:	2021-11-13 00:00
		Set Index:	1
		WBEA ID:	211104852
		Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-2.2	°C	
Pressure		734.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	13.9	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.50	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.19	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.23	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.07	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.267	ng/m <sup>3</sup>	V0
Acridine	0.001	0.010	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.246	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.350	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.075	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.131	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.066	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.066	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.045	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-11-12 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-11-13 00:00

Set Index: 1  
WBEA ID: 211104825  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.1	°C	
Pressure		726.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	26.5	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.15	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.27	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.16	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.02	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.338	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.613	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.513	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.075	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.129	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.112	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.112	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.074	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.041	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-11-12 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-11-13 00:00

Set Index: 1  
WBEA ID: 211104839  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.7	°C	
Pressure		735.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	24.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.17	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.10	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.14	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.03	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.370	ng/m <sup>3</sup>	V0
Acridine	0.001	0.012	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.438	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.407	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.036	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.110	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.144	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.144	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.048	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.044	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.036	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211104819
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.3	°C	
Pressure		714.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	8.18	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.726	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.567	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.560	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.880	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.185	ng/m <sup>3</sup>	V0
Acridine	0.001	0.005	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.144	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.096	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.043	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.053	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.035	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.035	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.038	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211104873
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.3	°C	
Pressure		708.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	13.4	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.984	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.868	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.757	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.29	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.208	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.262	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.214	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.105	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.124	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.073	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.073	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.053	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.022	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.021	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211104880
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.2	°C	
Pressure		716.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	9.88	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.932	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.533	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.575	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.02	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.134	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.177	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.121	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.062	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.038	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.038	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.035	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211104882
Start Date:	2021-11-12 00:00	End Date:	2021-11-13 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.2	°C	
Pressure		716.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.945	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.525	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.611	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.08	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.205	ng/m <sup>3</sup>	V0
Acridine	0.001	0.004	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.196	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.109	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.066	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.034	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.034	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.033	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-11-15 13:55

Samp Use: Field Procedure Blank  
Loc ID: PATM  
End Date: 2021-11-15 13:56

Set Index: 1  
WBEA ID: 211104902  
Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.097	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.043	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.023	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.029	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.047	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.003	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211104919	
Start Date:	2021-11-17 10:10	End Date:	2021-11-17 10:11	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.284	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.241	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.135	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.097	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.062	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Acridine	0.001	0.001	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Chrysene	0.001	-8888	ng/m <sup>3</sup>	V1
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2021-11-18 00:00	Loc ID:	BGFM
		End Date:	2021-11-19 00:00
		Set Index:	1
		WBEA ID:	211104918
		Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-8.3	°C	
Pressure		730.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	17.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.59	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.16	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.84	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.11	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.305	ng/m <sup>3</sup>	V0
Acridine	0.001	0.011	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.753	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.413	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.083	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.151	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.050	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.050	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.058	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211104901
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.3	°C	
Pressure		721.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	32.5	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.18	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.03	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.87	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.39	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.360	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.816	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.01	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.112	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.290	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.224	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.224	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.081	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.052	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.020	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-11-18 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-11-19 00:00

Set Index: 1  
WBEA ID: 211104899  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.9	°C	
Pressure		732.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	48.3	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.60	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.34	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.72	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.91	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.786	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.51	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.73	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.258	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.306	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.458	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.458	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.066	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.039	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.033	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211104893
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

Snow found on filter upon collection of the sample.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.7	°C	
Pressure		710.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	48.0	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.11	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.804	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.42	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.34	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.222	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.366	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.326	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.027	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.192	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.128	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.128	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.087	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.054	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.019	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211104962
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

Snow found on filter upon collection of the sample.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.6	°C	
Pressure		705.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	30.2	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.98	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.837	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.60	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.15	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.381	ng/m <sup>3</sup>	V0
Acridine	0.001	0.010	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.958	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.849	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.081	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.475	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.264	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.264	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.093	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.062	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.023	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211104934
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.9	°C	
Pressure		714.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	22.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.04	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.585	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.833	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.816	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.126	ng/m <sup>3</sup>	V0
Acridine	0.001	0.005	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.164	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.140	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.108	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.042	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.042	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.057	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211104935
Start Date:	2021-11-18 00:00	End Date:	2021-11-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.9	°C	
Pressure		714.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	23.5	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.994	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.673	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.825	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.783	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.112	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.180	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.129	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.116	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.051	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.051	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.061	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211104970
Start Date:	2021-11-19 14:05	End Date:	2021-11-19 14:06	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.063	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.017	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.024	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.007	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.023	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Acridine	0.001	0.002	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.003	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211105001	
Start Date:	2021-11-22 14:25	End Date:	2021-11-22 14:26	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.224	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.175	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.138	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.101	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.071	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Acridine	0.001	0.001	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Chrysene	0.001	-8888	ng/m <sup>3</sup>	V1
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 211105002
Start Date:	2021-11-24 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2021-11-25 00:00	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-18.0	°C	
Pressure		741.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	12.9	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.62	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.40	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.36	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.07	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.291	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.457	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.679	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.069	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.143	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.110	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.110	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.053	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.012	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Patricia McInnes	Samp Use:	Exposure
Start Date:	2021-11-24 00:00	Loc ID:	PATM
		End Date:	2021-11-25 00:00
		Set Index:	1
		WBEA ID:	211104977
		Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-18.0	°C	
Pressure		734.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	30.3	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.88	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.64	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.05	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.25	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.365	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.608	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.593	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.085	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.191	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.153	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.153	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.047	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-11-24 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-11-25 00:00

Set Index: 1  
WBEA ID: 211104971  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		743.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	43.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.98	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.31	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.11	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.60	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.373	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.814	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.874	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.101	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.311	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.195	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.195	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.077	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.051	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-11-24 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-11-25 00:00

Set Index: 1  
WBEA ID: 211105032  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		719.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	24.1	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.28	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.39	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.630	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.784	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.141	ng/m <sup>3</sup>	V0
Acridine	0.001	0.004	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.563	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.554	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.116	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.168	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.110	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.110	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.073	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.051	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211105025
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		714.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	22.2	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.69	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.52	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.14	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.76	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.559	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.694	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.844	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.070	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.341	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.195	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.195	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.070	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.058	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211105008
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		722.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	19.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.53	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.808	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.721	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.916	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.177	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.238	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.202	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.017	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.163	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.038	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.038	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.066	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211105011
Start Date:	2021-11-24 00:00	End Date:	2021-11-25 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		722.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	21.4	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.80	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.904	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.808	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.989	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.199	ng/m <sup>3</sup>	V0
Acridine	0.001	0.005	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.226	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.208	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.018	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.135	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.032	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.032	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.068	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.015	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211105050
Start Date:	2021-11-25 10:15	End Date:	2021-11-25 10:16	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.098	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.026	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.028	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.030	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.022	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.003	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211105063	
Start Date:	2021-11-26 10:15	End Date:	2021-11-26 10:16	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.204	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.133	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.128	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.072	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.057	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Acridine	0.001	0.001	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Chrysene	0.001	-8888	ng/m <sup>3</sup>	V1
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2021-11-30 00:00	Loc ID:	BGFM
		End Date:	2021-12-01 00:00
		Set Index:	1
		WBEA ID:	211105062
		Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-8.1	°C	
Pressure		726.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	20.2	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.57	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.37	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.34	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.99	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.472	ng/m <sup>3</sup>	V0
Acridine	0.001	0.012	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.620	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.973	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.087	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.366	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.041	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.041	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.046	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-11-30 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-12-01 00:00

Set Index: 1  
WBEA ID: 211105039  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.2	°C	
Pressure		716.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	24.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.76	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.00	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.44	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.79	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.515	ng/m <sup>3</sup>	V0
Acridine	0.001	0.005	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.566	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.593	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.079	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.176	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.102	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.102	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.069	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.059	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.024	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211105045
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

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### Notes

Snow on filter upon collection

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-3.9	°C	
Pressure		728.8	mmHg	
Sample Volume		339	m <sup>3</sup>	V6
Naphthalene	0.001	28.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.94	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.94	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.31	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.98	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.521	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.718	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.778	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.094	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.226	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.120	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.120	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.078	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.069	ng/m <sup>3</sup>	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.033	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211105051
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.3	°C	
Pressure		706.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	15.5	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.85	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.17	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.04	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.16	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.229	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.207	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.121	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.072	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.085	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.055	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.055	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.042	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.025	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211105077
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.4	°C	
Pressure		699.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	26.3	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	4.59	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.44	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.01	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.09	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.554	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.15	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.04	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.132	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.212	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.221	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.221	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.076	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.061	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211105087
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.0	°C	
Pressure		708.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	20.3	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.983	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.916	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.982	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.37	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.275	ng/m <sup>3</sup>	V0
Acridine	0.001	0.004	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.336	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.293	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.025	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.093	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.043	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.043	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.048	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211105088
Start Date:	2021-11-30 00:00	End Date:	2021-12-01 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.0	°C	
Pressure		708.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	19.2	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.901	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.783	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.902	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.37	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.236	ng/m <sup>3</sup>	V0
Acridine	0.001	0.004	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.298	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.235	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.022	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.094	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.049	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.049	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.046	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Conklin  
Start Date: 2021-12-01 15:40

Samp Use: Field Procedure Blank  
Loc ID: CONK  
End Date: 2021-12-01 15:41

Set Index: 1  
WBEA ID: 211205125  
Duration: 0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.086	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.084	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.053	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.041	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.031	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.013	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.002	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205160	
Start Date:	2021-12-03 16:10	End Date:	2021-12-03 16:11	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.181	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.109	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.046	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.033	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.058	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Acridine	0.001	-8888	ng/m <sup>3</sup>	V1
Fluoranthene	0.001	0.006	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.004	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2021-12-06 00:00	Loc ID:	BGFM
		End Date:	2021-12-07 00:00
		Set Index:	1
		WBEA ID:	211205161
		Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-25.0	°C	
Pressure		735.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	18.3	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	8.04	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.69	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.47	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.10	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.558	ng/m <sup>3</sup>	V0
Acridine	0.001	0.015	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.737	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.631	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.967	ng/m <sup>3</sup>	V4
Chrysene	0.001	0.755	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.432	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.431	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.060	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.012	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.023	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-12-06 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-12-07 00:00

Set Index: 1  
WBEA ID: 211205120  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C	
Pressure		724.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	34.4	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	6.41	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.91	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.96	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	5.24	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.498	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.39	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.59	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.848	ng/m <sup>3</sup>	V4
Chrysene	0.001	0.719	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.554	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.553	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.094	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.072	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.029	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.048	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.041	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-12-06 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-12-07 00:00

Set Index: 1  
WBEA ID: 211205114  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		738.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	15.2	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.75	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.27	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.05	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.68	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.721	ng/m <sup>3</sup>	V0
Acridine	0.001	0.011	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.40	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.47	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	1.02	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.360	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.598	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.597	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.081	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.075	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.027	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.046	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.048	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Anzac  
Start Date: 2021-12-06 00:00

Samp Use: Exposure  
Loc ID: ANZC  
End Date: 2021-12-07 00:00

Set Index: 1  
WBEA ID: 211205100  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-21.0	°C	
Pressure		713.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	7.62	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.17	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.866	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.08	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.98	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.293	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.135	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.164	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.086	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.078	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.255	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.255	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.045	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.037	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.045	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211205126
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

### Notes

Snow found on filter upon collection of the sample.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		708.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.0	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.44	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.770	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.27	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.08	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.879	ng/m <sup>3</sup>	V0
Acridine	0.001	0.010	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.03	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.952	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.591	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.510	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.331	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.331	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.098	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.093	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.030	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.025	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205132
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		712.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.2	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.01	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.306	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.526	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.712	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.028	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.142	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.157	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.108	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.096	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.068	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.068	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.033	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.032	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.034	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205133
Start Date:	2021-12-06 00:00	End Date:	2021-12-07 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		712.3	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.7	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.27	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.301	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.516	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.709	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.144	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.154	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.168	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.111	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.098	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.158	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.158	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.039	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.033	ng/m <sup>3</sup>	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.042	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier		Loc ID:	JANV	WBEA ID:	211205228
Start Date:	2021-12-08 15:15		End Date:	2021-12-08 15:16	Duration:	0.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.136	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.117	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.111	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.095	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Acridine	0.001	0.004	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.014	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.016	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.003	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205247	
Start Date:	2021-12-09 13:25	End Date:	2021-12-09 13:26	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.156	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.118	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.065	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.027	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.061	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Acridine	0.001	-8888	ng/m <sup>3</sup>	V1
Fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.002	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2021-12-12 00:00	Loc ID:	BGFM
		End Date:	2021-12-13 00:00
		Set Index:	1
		WBEA ID:	211205248
		Duration:	24.0 hr

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### Notes

Snow found on filter upon collection of the sample.

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-13.0	°C	
Pressure		720.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	19.4	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.11	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.64	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.23	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.60	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.313	ng/m <sup>3</sup>	V0
Acridine	0.001	0.012	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.465	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.559	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.371	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.325	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.249	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.231	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.104	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.034	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.023	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m <sup>3</sup>	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-12-12 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-12-13 00:00

Set Index: 1  
WBEA ID: 211205258  
Duration: 24.0 hr

### Notes

Snow found on filter upon collection of the sample.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C	
Pressure		709.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	29.7	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.08	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.57	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.79	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.73	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.662	ng/m <sup>3</sup>	V0
Acridine	0.001	0.004	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.844	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.873	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.549	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.473	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.854	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.854	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.108	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.069	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.039	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.058	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-12-12 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-12-13 00:00

Set Index: 1  
WBEA ID: 211205271  
Duration: 24.0 hr

### Notes

Snow found on filter upon collection of the sample.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-13.0	°C	
Pressure		725.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	25.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.70	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.778	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.03	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.72	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.252	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.364	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.451	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.064	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.194	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	1.00	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	1.15	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.077	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.050	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.049	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205265
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

### Notes

Snow found on filter upon collection of the sample.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C	
Pressure		702.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	17.2	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.39	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	4.51	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.59	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.51	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.244	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.369	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.337	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.076	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.187	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.582	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.198	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.078	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.065	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.045	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211205222
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

### Notes

Snow found on filter upon collection of the sample.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C	
Pressure		696.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	5.62	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.40	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.36	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.36	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.62	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.850	ng/m <sup>3</sup>	V0
Acridine	0.001	0.011	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.37	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.45	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.325	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.275	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	1.21	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	1.21	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.135	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.073	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.050	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.036	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.022	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205229
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

### Notes

Snow found on filter upon collection of the sample.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.5	°C	
Pressure		703.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	18.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.71	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	5.12	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.830	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.20	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.182	ng/m <sup>3</sup>	V0
Acridine	0.001	0.011	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.364	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.379	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.025	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.129	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.161	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.161	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.068	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.042	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.064	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205230
Start Date:	2021-12-12 00:00	End Date:	2021-12-13 00:00	Duration:	24.0 hr

### Notes

Snow found on filter upon collection of the sample.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.5	°C	
Pressure		703.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	20.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.62	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	4.54	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.844	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.13	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.180	ng/m <sup>3</sup>	V0
Acridine	0.001	0.010	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.331	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.320	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.022	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.116	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.174	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.174	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.065	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.051	ng/m <sup>3</sup>	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.083	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211205303
Start Date:	2021-12-17 09:40	End Date:	2021-12-17 09:41	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.203	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.132	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.105	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.136	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.118	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.029	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.028	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.012	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.001	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205316	
Start Date:	2021-12-17 12:30	End Date:	2021-12-17 12:31	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.137	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.071	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.061	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.034	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.062	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Acridine	0.001	-8888	ng/m <sup>3</sup>	V1
Fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.005	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Bertha Ganter - Fort McKay  
Start Date: 2021-12-18 00:00

Samp Use: Exposure  
Loc ID: BGFM  
End Date: 2021-12-19 00:00

Set Index: 1  
WBEA ID: 211205317  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		732.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	14.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.85	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.54	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.56	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.38	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.523	ng/m <sup>3</sup>	V0
Acridine	0.001	0.012	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.633	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.621	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.349	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.353	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.726	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.726	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.140	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.014	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.116	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-12-18 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-12-19 00:00

Set Index: 1  
WBEA ID: 211205304  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		720.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	37.0	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.85	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.05	ng/m <sup>3</sup>	V0
Fluorene	0.001	2.45	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.13	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.730	ng/m <sup>3</sup>	V0
Acridine	0.001	0.007	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.918	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.15	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.368	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.551	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	1.10	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	1.10	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.082	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.054	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.039	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.088	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.058	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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		Deployment Information		
Sample Type:	PAH	Samp Use:	Exposure	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 211205333
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration: 24.0 hr

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### Notes

Snow found on filter upon collection of the sample.

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-22.0	°C	
Pressure		736.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	47.5	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.03	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.49	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.41	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.02	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.699	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.956	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.45	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.175	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.148	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.976	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.889	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.115	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.070	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.027	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.091	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.038	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205323
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-21.0	°C	
Pressure		712.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	28.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.63	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.634	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.756	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.03	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.106	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.254	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.317	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.053	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.190	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.878	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.878	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.056	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.044	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.052	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211205293
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		707.4	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	16.5	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	5.15	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.732	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.51	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	4.02	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.624	ng/m <sup>3</sup>	V0
Acridine	0.001	0.010	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	1.28	ng/m <sup>3</sup>	V0
Pyrene	0.001	1.33	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.297	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.251	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	1.42	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	1.42	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.118	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.084	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.041	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.098	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.020	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205284
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		714.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	29.6	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.18	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.748	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.36	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.27	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.522	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.770	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.739	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.159	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.135	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	1.99	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	1.99	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.096	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.051	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.027	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.052	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.024	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205285
Start Date:	2021-12-18 00:00	End Date:	2021-12-19 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		714.9	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	28.4	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.27	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.781	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.29	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.29	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.504	ng/m <sup>3</sup>	V0
Acridine	0.001	0.010	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.731	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.741	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.164	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.139	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	1.82	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	1.73	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.100	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.044	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.026	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.055	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.025	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211205346
Start Date:	2021-12-20 14:55	End Date:	2021-12-20 14:56	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.146	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.127	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.112	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.044	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.063	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.012	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.001	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205385	
Start Date:	2021-12-22 12:45	End Date:	2021-12-22 12:46	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.202	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.107	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.069	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.030	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.067	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Acridine	0.001	-8888	ng/m <sup>3</sup>	V1
Fluoranthene	0.001	0.007	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.004	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	0.002	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2021-12-24 00:00	Loc ID: BGFM	WBEA ID: 211205386
		End Date: 2021-12-25 00:00	Duration: 24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-25.0	°C	
Pressure		729.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	8.81	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.86	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.27	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.614	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.07	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.209	ng/m <sup>3</sup>	V0
Acridine	0.001	0.015	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.296	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.712	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.335	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.409	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.621	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.621	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.113	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.015	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.066	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.022	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 2
Start Date:	2021-12-24 00:00	Loc ID: BGFM	WBEA ID: 211205387
		End Date: 2021-12-25 00:00	Duration: 24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-25.0	°C	
Pressure		729.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.1	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.99	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.37	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.619	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.07	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.209	ng/m <sup>3</sup>	V0
Acridine	0.001	0.014	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.333	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.701	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.351	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.414	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.599	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.635	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.107	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.069	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.017	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.021	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Patricia McInnes  
Start Date: 2021-12-24 00:00

Samp Use: Exposure  
Loc ID: PATM  
End Date: 2021-12-25 00:00

Set Index: 1  
WBEA ID: 211205340  
Duration: 24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		717.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	12.5	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.61	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.457	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.262	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.563	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.120	ng/m <sup>3</sup>	V0
Acridine	0.001	0.010	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.109	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.129	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.240	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.049	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.533	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.532	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.040	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.023	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.027	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	211205347
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-23.0	°C	
Pressure		733.6	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.2	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.68	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.258	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.472	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.724	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.157	ng/m <sup>3</sup>	V0
Acridine	0.001	0.010	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.134	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.161	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.023	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.055	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.600	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.600	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.041	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.052	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205357
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

### Notes

Sampler screen frozen, assuming 24 hours and volume. Screen was not flashing red(errors)  
Snow of filter upon collection.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		708.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	12.8	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.18	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.320	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.301	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.469	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.492	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.085	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.087	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.029	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.024	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.418	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.418	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.038	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211205366
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

### Notes

Sample Volume was estimated for PAH due to cold weather and PAH sampler screen not working

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		702.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	14.1	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.41	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.360	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.271	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.465	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.079	ng/m <sup>3</sup>	V0
Acridine	0.001	0.010	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.126	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.091	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.061	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.067	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.446	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.446	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.024	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.012	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.016	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205372
Start Date:	2021-12-24 00:00	End Date:	2021-12-25 00:00	Duration:	24.0 hr

### Notes

Sample Volume was estimated for PAH due to cold weather and PAH sampler screen not working very well.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		707.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	6.03	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.17	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.412	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.239	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.503	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.055	ng/m <sup>3</sup>	V0
Acridine	0.001	0.010	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.128	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.111	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.029	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.024	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.429	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.429	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.028	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.021	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.032	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.014	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205468
Start Date:	2021-12-29 10:00	End Date:	2021-12-29 10:01	Duration:	0.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.127	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.097	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.067	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.045	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.066	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.006	ng/m <sup>3</sup>	V0
Acridine	0.001	0.003	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.010	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.005	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m <sup>3</sup>	V4
Dibenz(a,h)anthracene	0.001	0.001	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205501	
Start Date:	2021-12-29 11:10	End Date:	2021-12-29 11:11	Duration:	0.0 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	0.198	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	0.117	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.074	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.029	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.063	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.011	ng/m <sup>3</sup>	V0
Acridine	0.001	-8888	ng/m <sup>3</sup>	V1
Fluoranthene	0.001	0.003	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m <sup>3</sup>	V0
Benz(a)anthracene	0.001	0.003	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.004	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.004	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	-8888	ng/m <sup>3</sup>	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m <sup>3</sup>	V1
Benzo(ghi)perylene	0.001	0.001	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205502
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

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### Notes

Sample volume estimated due to cold temperatures - display screen is not working.

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-32.0	°C	
Pressure		732.7	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	9.17	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.76	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.73	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.54	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	2.83	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.496	ng/m <sup>3</sup>	V0
Acridine	0.001	0.010	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.661	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.832	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.178	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.161	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.617	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.616	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.067	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.036	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.009	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PAH	Deployment Information	Set Index: 2
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 211205503
Start Date:	2021-12-30 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2021-12-31 00:00	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-34.0	°C	
Pressure		733.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	10.5	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	3.17	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.64	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.61	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	3.15	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.572	ng/m <sup>3</sup>	V0
Acridine	0.001	0.016	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.754	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.865	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.174	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.170	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.658	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.658	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.068	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.013	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.040	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.010	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.018	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	211205456
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-32.0	°C	
Pressure		722.2	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	13.2	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.25	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	1.16	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.882	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.64	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.323	ng/m <sup>3</sup>	V0
Acridine	0.001	0.006	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.384	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.534	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.167	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.137	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.459	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.459	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.098	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.033	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.029	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.053	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.028	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PAH  
Location: Athabasca Valley  
Start Date: 2021-12-30 00:00

Samp Use: Exposure  
Loc ID: ATHV  
End Date: 2021-12-31 00:00

Set Index: 1  
WBEA ID: 211205462  
Duration: 24.0 hr

### Notes

Screen on Sampler frozen. Assume PUF sampled same as last sample

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-31.0	°C	
Pressure		737.0	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	17.3	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.02	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.689	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.548	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.07	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.211	ng/m <sup>3</sup>	V0
Acridine	0.001	0.010	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.301	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.299	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.073	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.061	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.375	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.375	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.092	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.008	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.060	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.035	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	211205469
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

### Notes

Data screen frozen upon collection. Volume assumed to be close to recent samples

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-29.0	°C	
Pressure		711.5	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	24.0	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.90	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	2.17	ng/m <sup>3</sup>	V0
Fluorene	0.001	1.06	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	1.29	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.299	ng/m <sup>3</sup>	V0
Acridine	0.001	0.012	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.510	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.357	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.104	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.088	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.468	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.467	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.082	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.002	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.082	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.021	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.051	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.013	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	211205480
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

### Notes

Sample volume estimated as sampler screen was non operational due to cold ambient temperatures.  
Snow found on filter upon collection of the sample.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-29.0	°C	
Pressure		705.8	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	14.9	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	1.95	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.866	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.333	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.996	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.198	ng/m <sup>3</sup>	V0
Acridine	0.001	0.008	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.416	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.268	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.069	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.058	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.547	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.546	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.090	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.004	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.052	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.017	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.040	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.011	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	211205487
Start Date:	2021-12-30 00:00	End Date:	2021-12-31 00:00	Duration:	24.0 hr

### Notes

Snow found on filter upon collection of the sample.

### Data

Parameter	MDL	Value	Unit	Flag
Temperature		-30.0	°C	
Pressure		711.1	mmHg	
Sample Volume		316	m <sup>3</sup>	V0
Naphthalene	0.001	20.7	ng/m <sup>3</sup>	V0
Acenaphthylene	0.001	2.07	ng/m <sup>3</sup>	V0
Acenaphthene	0.001	0.454	ng/m <sup>3</sup>	V0
Fluorene	0.001	0.569	ng/m <sup>3</sup>	V0
Phenanthrene	0.001	0.706	ng/m <sup>3</sup>	V0
Anthracene	0.001	0.076	ng/m <sup>3</sup>	V0
Acridine	0.001	0.009	ng/m <sup>3</sup>	V0
Fluoranthene	0.001	0.513	ng/m <sup>3</sup>	V0
Pyrene	0.001	0.349	ng/m <sup>3</sup>	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m <sup>3</sup>	V0
Benzo(a)anthracene	0.001	0.065	ng/m <sup>3</sup>	V0
Chrysene	0.001	0.105	ng/m <sup>3</sup>	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m <sup>3</sup>	V0
Benzo(b)fluoranthene	0.001	0.501	ng/m <sup>3</sup>	V0
Benzo(k)fluoranthene	0.001	0.501	ng/m <sup>3</sup>	V0
Benzo(a)pyrene	0.001	0.073	ng/m <sup>3</sup>	V0
3-Methylcholanthrene	0.001	0.007	ng/m <sup>3</sup>	V0
Indeno(123-cd)pyrene	0.001	0.061	ng/m <sup>3</sup>	V0
Dibenz(a,h)anthracene	0.001	0.015	ng/m <sup>3</sup>	V0
Benzo(ghi)perylene	0.001	0.046	ng/m <sup>3</sup>	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m <sup>3</sup>	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m <sup>3</sup>	V1



## **WOOD BUFFALO ENVIRONMENTAL ASSOCIATION**

### **INTEGRATED MONITORING PROGRAM ANNUAL REPORT**

### **PRECIPITATION DATA RESULTS 2021**

Prepared  
March 2022

#### **SAMPLE COLLECTION AND DATA COMPILATION BY:**

**Wood Buffalo Environmental Association**  
Fort McMurray, Alberta

#### **LABORATORY ANALYSIS BY:**

Precipitation: Wisconsin State Laboratory of Hygiene  
Madison, WI



SAMPLE DESCRIPTION	Summary of Precipitation Measurement of ions, pH and conductivity
SAMPLING PERIOD	One week
SAMPLING INTERVAL	One week
UNITS	mg/L (milligram per liter)
OBSERVATION TYPE	Wet Precipitation
FIELD SAMPLING OR MEASUREMENT PRINCIPLE	moveable cover with precipitation sensors
MEDIUM	Polyethylene Collection bucket
ANALYTICALMETHODS	pH by pH meter Conductivity by Conductivity meter Ions by Ion Chromatography (IC) Anions by Ion Chromatography (IC) Cations by Inductively Coupled Plasma (ICP) Ammonium and phosphate by Flow Injection Analysis (FIA)
ANALYTICAL LABORATORY	NADP, Wisconsin State Laboratory of Hygiene
USER NOTE 1	Data are not blank corrected
USER NOTE 2	Values flagged V1 are displayed as -8888
SAMPLING INSTRUMENT TYPE	N-CON Precipitation Collector
QA REFERENCE	<a href="https://open.alberta.ca/publications/precipitation-chemistry-data-handling-and-preparation">https://open.alberta.ca/publications/precipitation-chemistry-data-handling-and-preparation</a>
<b>FLAG DESC</b>	
V0	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V4	Valid value despite failing to meet some QC or statistical criteria
V5	Valid value but qualified because of possible contamination
V6	Valid value but qualified due to non-standard sampling conditions
V8	Dry Week
V9	Insufficient sample collected for analyzes
V10	Insufficient data to conduct all quality control checks
M1	Missing value because no value is available
M2	Missing value because invalidated by Data Originator



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-01-03 10:50**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-01-11 12:20**

Set Index: **1**  
WBEA ID: **210100009**  
Duration: **193.5 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		40.3	mL	
Pluvio Total		0.63	mm	
Potential Hydrogen		5.05		V0
Bicarbonate (calc)		0.6	µeq/L	
Conductivity	0.9	5.3	µS/cm	V0
Conductivity (calc)		5.1	µS/cm	
Conductivity Difference		-3.9	%	V0
Sum Anions		18.0	µeq/L	
Sum Cations		19.5	µeq/L	
Total Ions		37.5	µeq/L	
Ion Balance		4.1	%	
Ion Difference		1.5	µeq/L	V0
Calcium Ion	0.0100	0.0544	mg/L	V0
Magnesium Ion	0.0060	0.0085	mg/L	V0
Potassium Ion	0.0060	0.0070	mg/L	V0
Sodium Ion	0.0080	0.0408	mg/L	V0
Ammonium Ion	0.0140	0.0942	mg/L	V0
Nitrate Ion	0.0200	0.8300	mg/L	V0
Chloride Ion	0.0200	0.0964	mg/L	V0
Sulphate Ion	0.0200	0.0605	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: <b>PRECIP - NADP</b>	Samp Use: <b>Exposure</b>	Set Index: <b>1</b>
Location: <b>Wapasu</b>	Loc ID: <b>WAPS</b>	WBEA ID: <b>210100122</b>
Start Date: <b>2021-01-03 11:15</b>	End Date: <b>2021-01-11 11:25</b>	Duration: <b>192.2 hr</b>

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		70.6	mL	
Pluvio Total		1.56	mm	
Potential Hydrogen		4.8		V0
Bicarbonate (calc)		0.3	µeq/L	
Conductivity	0.9	8.9	µS/cm	V0
Conductivity (calc)		8.4	µS/cm	
Conductivity Difference		-6.0	%	V0
Sum Anions		27.7	µeq/L	
Sum Cations		27.6	µeq/L	
Total Ions		55.4	µeq/L	
Ion Balance		-0.1	%	
Ion Difference		-0.1	µeq/L	V0
Calcium Ion	0.0100	0.1267	mg/L	V0
Magnesium Ion	0.0060	0.0100	mg/L	V0
Potassium Ion	0.0060	0.0076	mg/L	V0
Sodium Ion	0.0080	0.0341	mg/L	V0
Ammonium Ion	0.0140	0.0536	mg/L	V0
Nitrate Ion	0.0200	0.7072	mg/L	V0
Chloride Ion	0.0200	0.0637	mg/L	V0
Sulphate Ion	0.0200	0.6810	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210100144
Start Date:	2021-01-03 15:00	End Date:	2021-01-11 14:35	Duration:	191.6 hr

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### Notes

None

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### Data

Parameter	MDL	Value	Unit	Data Flag
Precipitation Volume		0.6	mL	
Pluvio Total		0.00	mm	



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210100123
Start Date:	2021-01-11 11:25	End Date:	2021-01-18 11:00	Duration:	167.6 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		102.1	mL	
Pluvio Total		1.77	mm	
Potential Hydrogen		6.01		V0
Bicarbonate (calc)		5.2	µeq/L	
Conductivity	0.9	5.4	µS/cm	V0
Conductivity (calc)		4.9	µS/cm	
Conductivity Difference		-10.0	%	V0
Sum Anions		30.0	µeq/L	
Sum Cations		42.1	µeq/L	
Total Ions		72.1	µeq/L	
Ion Balance		16.9	%	
Ion Difference		12.2	µeq/L	V0
Calcium Ion	0.0100	0.5332	mg/L	V0
Magnesium Ion	0.0060	0.1075	mg/L	V0
Potassium Ion	0.0060	0.0154	mg/L	V0
Sodium Ion	0.0080	0.0597	mg/L	V0
Ammonium Ion	0.0140	0.0485	mg/L	V0
Nitrate Ion	0.0200	0.6617	mg/L	V0
Chloride Ion	0.0200	0.0914	mg/L	V0
Sulphate Ion	0.0200	0.5476	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-01-11 12:20**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-01-19 11:45**

Set Index: **1**  
WBEA ID: **210100125**  
Duration: **191.4 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		652	mL	
Pluvio Total		9.98	mm	
Potential Hydrogen		5.64		V0
Bicarbonate (calc)		2.2	µeq/L	
Conductivity	0.9	1.9	µS/cm	V0
Conductivity (calc)		1.5	µS/cm	
Conductivity Difference		-19.7	%	V0
Sum Anions		6.6	µeq/L	
Sum Cations		7.4	µeq/L	
Total Ions		14.0	µeq/L	
Ion Balance		5.9	%	
Ion Difference		0.8	µeq/L	V0
Calcium Ion	0.0100	0.0520	mg/L	V0
Magnesium Ion	0.0060	-8888	mg/L	V1
Potassium Ion	0.0060	0.0111	mg/L	V0
Sodium Ion	0.0080	0.0275	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.1488	mg/L	V0
Chloride Ion	0.0200	0.0305	mg/L	V0
Sulphate Ion	0.0200	0.0490	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PRECIP - NADP      Samp Use: Exposure      Set Index: 1  
Location: Bertha Ganter - Fort McKay      Loc ID: BGFM      WBEA ID: 210100145  
Start Date: 2021-01-11 14:35      End Date: 2021-01-18 13:10      Duration: 166.6 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		27.3	mL	
Pluvio Total		0.47	mm	
Potential Hydrogen		6.6		V0
Bicarbonate (calc)		20.3	µeq/L	
Conductivity	0.9	12.6	µS/cm	V0
Conductivity (calc)		10.6	µS/cm	
Conductivity Difference		-16.0	%	V0
Sum Anions		59.9	µeq/L	
Sum Cations		111.8	µeq/L	
Total Ions		171.7	µeq/L	
Ion Balance		30.2	%	V4
Ion Difference		51.9	µeq/L	
Calcium Ion	0.0100	1.578	mg/L	V0
Magnesium Ion	0.0060	0.1964	mg/L	V0
Potassium Ion	0.0060	0.0473	mg/L	V0
Sodium Ion	0.0080	0.1712	mg/L	V0
Ammonium Ion	0.0140	0.1440	mg/L	V0
Nitrate Ion	0.0200	1.002	mg/L	V0
Chloride Ion	0.0200	0.2355	mg/L	V0
Sulphate Ion	0.0200	0.8050	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210100183
Start Date:	2021-01-18 11:00	End Date:	2021-01-26 09:50	Duration:	190.8 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		282.1	mL	
Pluvio Total		5.46	mm	
Potential Hydrogen		6.16		V0
Bicarbonate (calc)		7.4	µeq/L	
Conductivity	0.9	5.1	µS/cm	V0
Conductivity (calc)		4.4	µS/cm	
Conductivity Difference		-13.2	%	V0
Sum Anions		27.7	µeq/L	
Sum Cations		40.9	µeq/L	
Total Ions		68.7	µeq/L	
Ion Balance		19.3	%	
Ion Difference		13.2	µeq/L	V0
Calcium Ion	0.0100	0.5561	mg/L	V0
Magnesium Ion	0.0060	0.1199	mg/L	V0
Potassium Ion	0.0060	0.0136	mg/L	V0
Sodium Ion	0.0080	0.0298	mg/L	V0
Ammonium Ion	0.0140	0.0179	mg/L	V0
Nitrate Ion	0.0200	0.7581	mg/L	V0
Chloride Ion	0.0200	0.0481	mg/L	V0
Sulphate Ion	0.0200	0.3224	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PRECIP - NADP      Samp Use: Exposure      Set Index: 1  
Location: Bertha Ganter - Fort McKay      Loc ID: BGFM      WBEA ID: 210100190  
Start Date: 2021-01-18 13:10      End Date: 2021-01-26 14:25      Duration: 193.3 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		188.6	mL	
Pluvio Total		3.14	mm	
Potential Hydrogen		6.89		V0
Bicarbonate (calc)		39.6	µeq/L	
Conductivity	0.9	19.4	µS/cm	V0
Conductivity (calc)		15.3	µS/cm	
Conductivity Difference		-21.0	%	V0
Sum Anions		77.6	µeq/L	
Sum Cations		181.6	µeq/L	
Total Ions		259.2	µeq/L	
Ion Balance		40.2	%	V4
Ion Difference		104.1	µeq/L	
Calcium Ion	0.0100	2.989	mg/L	V0
Magnesium Ion	0.0060	0.2697	mg/L	V0
Potassium Ion	0.0060	0.0439	mg/L	V0
Sodium Ion	0.0080	0.1156	mg/L	V0
Ammonium Ion	0.0140	0.0717	mg/L	V0
Nitrate Ion	0.0200	1.329	mg/L	V0
Chloride Ion	0.0200	0.1111	mg/L	V0
Sulphate Ion	0.0200	0.6420	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210100201
Start Date:	2021-01-19 11:45	End Date:	2021-01-27 10:30	Duration:	190.8 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		493.6	mL	
Pluvio Total		7.88	mm	
Potential Hydrogen		5.21		V0
Bicarbonate (calc)		0.8	µeq/L	
Conductivity	0.9	3.9	µS/cm	V0
Conductivity (calc)		3.5	µS/cm	
Conductivity Difference		-10.3	%	V0
Sum Anions		12.3	µeq/L	
Sum Cations		13.6	µeq/L	
Total Ions		25.9	µeq/L	
Ion Balance		4.9	%	
Ion Difference		1.3	µeq/L	V0
Calcium Ion	0.0100	0.0830	mg/L	V0
Magnesium Ion	0.0060	0.0128	mg/L	V0
Potassium Ion	0.0060	0.0266	mg/L	V0
Sodium Ion	0.0080	0.0139	mg/L	V0
Ammonium Ion	0.0140	0.0172	mg/L	V0
Nitrate Ion	0.0200	0.4608	mg/L	V0
Chloride Ion	0.0200	0.0288	mg/L	V0
Sulphate Ion	0.0200	0.1543	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: <b>PRECIP - NADP</b>	Samp Use: <b>Exposure</b>	Set Index: <b>1</b>
Location: <b>Wapasu</b>	Loc ID: <b>WAPS</b>	WBEA ID: <b>210100257</b>
Start Date: <b>2021-01-26 09:50</b>	End Date: <b>2021-02-02 12:10</b>	Duration: <b>170.3 hr</b>

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		44.7	mL	
Pluvio Total		0.80	mm	
Potential Hydrogen		5.87		V0
Bicarbonate (calc)		3.8	µeq/L	
Conductivity	0.9	13.8	µS/cm	V0
Conductivity (calc)		12.8	µS/cm	
Conductivity Difference		-7.2	%	V0
Sum Anions		84.3	µeq/L	
Sum Cations		102.0	µeq/L	
Total Ions		186.3	µeq/L	
Ion Balance		9.5	%	V0
Ion Difference		17.7	µeq/L	
Calcium Ion	0.0100	1.131	mg/L	V0
Magnesium Ion	0.0060	0.1807	mg/L	V0
Potassium Ion	0.0060	0.0259	mg/L	V0
Sodium Ion	0.0080	0.0953	mg/L	V0
Ammonium Ion	0.0140	0.4427	mg/L	V0
Nitrate Ion	0.0200	3.340	mg/L	V0
Chloride Ion	0.0200	0.1511	mg/L	V0
Sulphate Ion	0.0200	1.074	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**      Samp Use: **Exposure**      Set Index: **1**  
Location: **Bertha Ganter - Fort McKay**      Loc ID: **BGFM**      WBEA ID: **210100265**  
Start Date: **2021-01-26 14:25**      End Date: **2021-02-01 11:45**      Duration: **141.3 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		82.1	mL	
Pluvio Total		1.00	mm	
Potential Hydrogen		7.03		V0
Bicarbonate (calc)		54.6	µeq/L	
Conductivity	0.9	27.5	µS/cm	V0
Conductivity (calc)		22.8	µS/cm	
Conductivity Difference		-17.1	%	V0
Sum Anions		126.4	µeq/L	
Sum Cations		254.0	µeq/L	
Total Ions		380.4	µeq/L	
Ion Balance		33.6	%	V4
Ion Difference		127.6	µeq/L	
Calcium Ion	0.0100	4.03	mg/L	V0
Magnesium Ion	0.0060	0.3777	mg/L	V0
Potassium Ion	0.0060	0.0661	mg/L	V0
Sodium Ion	0.0080	0.2105	mg/L	V0
Ammonium Ion	0.0140	0.1969	mg/L	V0
Nitrate Ion	0.0200	2.772	mg/L	V0
Chloride Ion	0.0200	0.1941	mg/L	V0
Sulphate Ion	0.0200	1.035	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-01-27 10:30**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-02-02 13:25**

Set Index: **1**  
WBEA ID: **210100273**  
Duration: **146.9 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		538.9	mL	
Pluvio Total		7.22	mm	
Potential Hydrogen		5.11		V0
Bicarbonate (calc)		0.7	µeq/L	
Conductivity	0.9	4.8	µS/cm	V0
Conductivity (calc)		4.3	µS/cm	
Conductivity Difference		-10.4	%	V0
Sum Anions		15.2	µeq/L	
Sum Cations		15.6	µeq/L	
Total Ions		30.8	µeq/L	
Ion Balance		1.1	%	
Ion Difference		0.3	µeq/L	V0
Calcium Ion	0.0100	0.0553	mg/L	V0
Magnesium Ion	0.0060	0.0066	mg/L	V0
Potassium Ion	0.0060	0.0090	mg/L	V0
Sodium Ion	0.0080	0.0304	mg/L	V0
Ammonium Ion	0.0140	0.0530	mg/L	V0
Nitrate Ion	0.0200	0.6776	mg/L	V0
Chloride Ion	0.0200	0.0551	mg/L	V0
Sulphate Ion	0.0200	0.0994	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**      Samp Use: **Exposure**      Set Index: **1**  
Location: **Bertha Ganter - Fort McKay**      Loc ID: **BGFM**      WBEA ID: **210200364**  
Start Date: **2021-02-01 11:45**      End Date: **2021-02-08 12:50**      Duration: **169.1 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		90	mL	
Pluvio Total		0.58	mm	
Potential Hydrogen		7.13		V0
Bicarbonate (calc)		68.8	µeq/L	
Conductivity	0.9	34.7	µS/cm	V0
Conductivity (calc)		28.3	µS/cm	
Conductivity Difference		-18.3	%	V0
Sum Anions		134.0	µeq/L	
Sum Cations		348.4	µeq/L	
Total Ions		482.4	µeq/L	
Ion Balance		44.4	%	V4
Ion Difference		214.4	µeq/L	
Calcium Ion	0.0100	5.358	mg/L	V0
Magnesium Ion	0.0060	0.6755	mg/L	V0
Potassium Ion	0.0060	0.1358	mg/L	V0
Sodium Ion	0.0080	0.3472	mg/L	V0
Ammonium Ion	0.0140	0.1225	mg/L	V0
Nitrate Ion	0.0200	2.212	mg/L	V0
Chloride Ion	0.0200	0.2217	mg/L	V0
Sulphate Ion	0.0200	1.116	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-02-02 12:10**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-02-09 11:00**

Set Index: **1**  
WBEA ID: **210200382**  
Duration: **166.8 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		95.7	mL	
Pluvio Total		1.70	mm	
Potential Hydrogen		6.77		V0
Bicarbonate (calc)		30.0	µeq/L	
Conductivity	0.9	15	µS/cm	V0
Conductivity (calc)		12.5	µS/cm	
Conductivity Difference		-16.9	%	V0
Sum Anions		70.3	µeq/L	
Sum Cations		138.3	µeq/L	
Total Ions		208.6	µeq/L	
Ion Balance		32.6	%	V4
Ion Difference		68.0	µeq/L	
Calcium Ion	0.0100	2.026	mg/L	V0
Magnesium Ion	0.0060	0.3172	mg/L	V0
Potassium Ion	0.0060	0.0509	mg/L	V0
Sodium Ion	0.0080	0.1174	mg/L	V0
Ammonium Ion	0.0140	0.0821	mg/L	V0
Nitrate Ion	0.0200	1.532	mg/L	V0
Chloride Ion	0.0200	0.1861	mg/L	V0
Sulphate Ion	0.0200	0.4935	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-02-02 13:25**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-02-10 11:15**

Set Index: **1**  
WBEA ID: **210200385**  
Duration: **189.8 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		796.9	mL	
Pluvio Total		12.04	mm	
Potential Hydrogen		5.16		V0
Bicarbonate (calc)		0.7	µeq/L	
Conductivity	0.9	3.6	µS/cm	V0
Conductivity (calc)		3.4	µS/cm	
Conductivity Difference		-4.7	%	V0
Sum Anions		9.9	µeq/L	
Sum Cations		11.6	µeq/L	
Total Ions		21.5	µeq/L	
Ion Balance		7.7	%	
Ion Difference		1.7	µeq/L	V0
Calcium Ion	0.0100	0.0352	mg/L	V0
Magnesium Ion	0.0060	-8888	mg/L	V1
Potassium Ion	0.0060	0.0076	mg/L	V0
Sodium Ion	0.0080	0.0147	mg/L	V0
Ammonium Ion	0.0140	0.0318	mg/L	V0
Nitrate Ion	0.0200	0.3547	mg/L	V0
Chloride Ion	0.0200	0.0305	mg/L	V0
Sulphate Ion	0.0200	0.1242	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-02-08 11:00**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-02-16 12:35**

Set Index: **1**  
WBEA ID: **210200428**  
Duration: **193.6 hr**

### Notes

None

### Data

<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	<b>Flag</b>
Precipitation Volume		202.8	mL	
Pluvio Total		3.92	mm	
Potential Hydrogen		6.77		V0
Bicarbonate (calc)		30.0	µeq/L	
Conductivity	0.9	12.1	µS/cm	V0
Conductivity (calc)		9.9	µS/cm	
Conductivity Difference		-17.8	%	V0
Sum Anions		57.7	µeq/L	
Sum Cations		112.1	µeq/L	
Total Ions		169.8	µeq/L	
Ion Balance		32.0	%	V4
Ion Difference		54.4	µeq/L	
Calcium Ion	0.0100	1.534	mg/L	V0
Magnesium Ion	0.0060	0.3638	mg/L	V0
Potassium Ion	0.0060	0.0253	mg/L	V0
Sodium Ion	0.0080	0.0824	mg/L	V0
Ammonium Ion	0.0140	0.0224	mg/L	V0
Nitrate Ion	0.0200	0.7649	mg/L	V0
Chloride Ion	0.0200	0.1670	mg/L	V0
Sulphate Ion	0.0200	0.5087	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200436
Start Date:	2021-02-08 12:50	End Date:	2021-02-16 13:50	Duration:	193.0 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		191.3	mL	
Pluvio Total		2.43	mm	
Potential Hydrogen		6.61		V0
Bicarbonate (calc)		20.8	µeq/L	
Conductivity	0.9	11.2	µS/cm	V0
Conductivity (calc)		9.6	µS/cm	
Conductivity Difference		-14.5	%	V0
Sum Anions		57.2	µeq/L	
Sum Cations		100.4	µeq/L	
Total Ions		157.6	µeq/L	
Ion Balance		27.4	%	V4
Ion Difference		43.1	µeq/L	
Calcium Ion	0.0100	1.313	mg/L	V0
Magnesium Ion	0.0060	0.2526	mg/L	V0
Potassium Ion	0.0060	0.0598	mg/L	V0
Sodium Ion	0.0080	0.2189	mg/L	V0
Ammonium Ion	0.0140	0.0496	mg/L	V0
Nitrate Ion	0.0200	0.8166	mg/L	V0
Chloride Ion	0.0200	0.2984	mg/L	V0
Sulphate Ion	0.0200	0.7106	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-02-10 11:15**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-02-17 12:50**

Set Index: **1**  
WBEA ID: **210200458**  
Duration: **169.6 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		131.7	mL	
Pluvio Total		0.00	mm	
Potential Hydrogen		4.87		V0
Bicarbonate (calc)		0.4	µeq/L	
Conductivity	0.9	9.5	µS/cm	V0
Conductivity (calc)		9.2	µS/cm	
Conductivity Difference		-3.0	%	V0
Sum Anions		40.5	µeq/L	
Sum Cations		39.9	µeq/L	
Total Ions		80.4	µeq/L	
Ion Balance		-0.8	%	
Ion Difference		-0.6	µeq/L	V0
Calcium Ion	0.0100	0.2412	mg/L	V0
Magnesium Ion	0.0060	0.0238	mg/L	V0
Potassium Ion	0.0060	0.0413	mg/L	V0
Sodium Ion	0.0080	0.2402	mg/L	V0
Ammonium Ion	0.0140	0.0160	mg/L	V0
Nitrate Ion	0.0200	1.191	mg/L	V0
Chloride Ion	0.0200	0.4998	mg/L	V0
Sulphate Ion	0.0200	0.3268	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-02-16 12:35**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-02-23 10:05**

Set Index: **1**  
WBEA ID: **210200513**  
Duration: **165.5 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		292.5	mL	
Pluvio Total		4.88	mm	
Potential Hydrogen		5.34		V0
Bicarbonate (calc)		1.1	µeq/L	
Conductivity	0.9	6.2	µS/cm	V0
Conductivity (calc)		6.2	µS/cm	
Conductivity Difference		-0.5	%	V0
Sum Anions		32.4	µeq/L	
Sum Cations		39.8	µeq/L	
Total Ions		72.3	µeq/L	
Ion Balance		10.2	%	
Ion Difference		7.4	µeq/L	V0
Calcium Ion	0.0100	0.4471	mg/L	V0
Magnesium Ion	0.0060	0.0699	mg/L	V0
Potassium Ion	0.0060	0.0149	mg/L	V0
Sodium Ion	0.0080	0.0574	mg/L	V0
Ammonium Ion	0.0140	0.0779	mg/L	V0
Nitrate Ion	0.0200	0.5449	mg/L	V0
Chloride Ion	0.0200	0.0769	mg/L	V0
Sulphate Ion	0.0200	0.9741	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210200517
Start Date:	2021-02-16 13:50	End Date:	2021-02-23 13:10	Duration:	167.3 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		60	mL	
Pluvio Total		0.70	mm	
Potential Hydrogen		6.64		V0
Bicarbonate (calc)		22.3	µeq/L	
Conductivity	0.9	10.2	µS/cm	V0
Conductivity (calc)		8.8	µS/cm	
Conductivity Difference		-13.8	%	V0
Sum Anions		53.5	µeq/L	
Sum Cations		91.1	µeq/L	
Total Ions		144.6	µeq/L	
Ion Balance		26.0	%	V4
Ion Difference		37.6	µeq/L	
Calcium Ion	0.0100	1.226	mg/L	V0
Magnesium Ion	0.0060	0.1800	mg/L	V0
Potassium Ion	0.0060	0.0428	mg/L	V0
Sodium Ion	0.0080	0.1686	mg/L	V0
Ammonium Ion	0.0140	0.1168	mg/L	V0
Nitrate Ion	0.0200	0.7015	mg/L	V0
Chloride Ion	0.0200	0.2432	mg/L	V0
Sulphate Ion	0.0200	0.6246	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-02-17 12:50**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-02-24 15:25**

Set Index: **1**  
WBEA ID: **210200609**  
Duration: **170.6 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		281.6	mL	
Pluvio Total		3.96	mm	
Potential Hydrogen		5.83		V0
Bicarbonate (calc)		3.4	µeq/L	
Conductivity	0.9	5	µS/cm	V0
Conductivity (calc)		4.8	µS/cm	
Conductivity Difference		-3.5	%	V0
Sum Anions		30.0	µeq/L	
Sum Cations		39.2	µeq/L	
Total Ions		69.2	µeq/L	
Ion Balance		13.3	%	
Ion Difference		9.2	µeq/L	V0
Calcium Ion	0.0100	0.3447	mg/L	V0
Magnesium Ion	0.0060	0.0259	mg/L	V0
Potassium Ion	0.0060	0.0682	mg/L	V0
Sodium Ion	0.0080	0.3443	mg/L	V0
Ammonium Ion	0.0140	0.0301	mg/L	V0
Nitrate Ion	0.0200	0.3259	mg/L	V0
Chloride Ion	0.0200	0.5970	mg/L	V0
Sulphate Ion	0.0200	0.2120	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-02-23 10:05**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-03-02 10:30**

Set Index: **1**  
WBEA ID: **210200559**  
Duration: **168.4 hr**

### Notes

Snowing during retrieval.

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		308.7	mL	
Pluvio Total		4.63	mm	
Potential Hydrogen		6.53		V0
Bicarbonate (calc)		17.3	µeq/L	
Conductivity	0.9	9.5	µS/cm	V0
Conductivity (calc)		8.1	µS/cm	
Conductivity Difference		-15.0	%	V0
Sum Anions		50.9	µeq/L	
Sum Cations		81.2	µeq/L	
Total Ions		132.1	µeq/L	
Ion Balance		22.9	%	V4
Ion Difference		30.3	µeq/L	
Calcium Ion	0.0100	1.161	mg/L	V0
Magnesium Ion	0.0060	0.2375	mg/L	V0
Potassium Ion	0.0060	0.0268	mg/L	V0
Sodium Ion	0.0080	0.0520	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	1.137	mg/L	V0
Chloride Ion	0.0200	0.1140	mg/L	V0
Sulphate Ion	0.0200	0.5796	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PRECIP - NADP      Samp Use: Exposure      Set Index: 1  
Location: Bertha Ganter - Fort McKay      Loc ID: BGFM      WBEA ID: 210200568  
Start Date: 2021-02-23 13:10      End Date: 2021-03-03 14:00      Duration: 192.8 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		394.6	mL	
Pluvio Total		6.82	mm	
Potential Hydrogen		7.2		V0
Bicarbonate (calc)		80.8	µeq/L	
Conductivity	0.9	25.7	µS/cm	V0
Conductivity (calc)		21.3	µS/cm	
Conductivity Difference		-17.0	%	V0
Sum Anions		124.9	µeq/L	
Sum Cations		246.6	µeq/L	
Total Ions		371.5	µeq/L	
Ion Balance		32.8	%	V4
Ion Difference		121.7	µeq/L	
Calcium Ion	0.0100	3.897	mg/L	V0
Magnesium Ion	0.0060	0.5079	mg/L	V0
Potassium Ion	0.0060	0.0757	mg/L	V0
Sodium Ion	0.0080	0.1597	mg/L	V0
Ammonium Ion	0.0140	0.0252	mg/L	V0
Nitrate Ion	0.0200	1.261	mg/L	V0
Chloride Ion	0.0200	0.1591	mg/L	V0
Sulphate Ion	0.0200	0.9242	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210200608
Start Date:	2021-02-24 15:25	End Date:	2021-03-03 10:40	Duration:	163.3 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		502	mL	
Pluvio Total		7.70	mm	
Potential Hydrogen		5.01		V0
Bicarbonate (calc)		0.5	µeq/L	
Conductivity	0.9	6	µS/cm	V0
Conductivity (calc)		5.3	µS/cm	
Conductivity Difference		-12.2	%	V0
Sum Anions		18.5	µeq/L	
Sum Cations		17.9	µeq/L	
Total Ions		36.4	µeq/L	
Ion Balance		-1.9	%	
Ion Difference		-0.7	µeq/L	V0
Calcium Ion	0.0100	0.0723	mg/L	V0
Magnesium Ion	0.0060	0.0087	mg/L	V0
Potassium Ion	0.0060	0.0155	mg/L	V0
Sodium Ion	0.0080	0.0270	mg/L	V0
Ammonium Ion	0.0140	0.0394	mg/L	V0
Nitrate Ion	0.0200	0.7911	mg/L	V0
Chloride Ion	0.0200	0.0471	mg/L	V0
Sulphate Ion	0.0200	0.1870	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210300682
Start Date:	2021-03-02 10:30	End Date:	2021-03-09 11:00	Duration:	168.5 hr

### Notes

Snowing during deployment

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		134.1	mL	
Pluvio Total		2.26	mm	
Potential Hydrogen		6.19		V0
Bicarbonate (calc)		7.9	µeq/L	
Conductivity	0.9	6	µS/cm	V0
Conductivity (calc)		5.5	µS/cm	
Conductivity Difference		-8.8	%	V0
Sum Anions		37.6	µeq/L	
Sum Cations		46.5	µeq/L	
Total Ions		84.1	µeq/L	
Ion Balance		10.6	%	
Ion Difference		8.9	µeq/L	V0
Calcium Ion	0.0100	0.6681	mg/L	V0
Magnesium Ion	0.0060	0.0807	mg/L	V0
Potassium Ion	0.0060	0.0074	mg/L	V0
Sodium Ion	0.0080	0.0610	mg/L	V0
Ammonium Ion	0.0140	0.0548	mg/L	V0
Nitrate Ion	0.0200	1.280	mg/L	V0
Chloride Ion	0.0200	0.0976	mg/L	V0
Sulphate Ion	0.0200	0.3009	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-03-03 10:45**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-03-10 14:25**

Set Index: **1**  
WBEA ID: **210300691**  
Duration: **171.7 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		143.4	mL	
Pluvio Total		2.05	mm	
Potential Hydrogen		4.79		V0
Bicarbonate (calc)		0.3	µeq/L	
Conductivity	0.9	10.7	µS/cm	V0
Conductivity (calc)		9.9	µS/cm	
Conductivity Difference		-7.4	%	V0
Sum Anions		37.8	µeq/L	
Sum Cations		37.3	µeq/L	
Total Ions		75.1	µeq/L	
Ion Balance		-0.6	%	
Ion Difference		-0.5	µeq/L	V0
Calcium Ion	0.0100	0.0840	mg/L	V0
Magnesium Ion	0.0060	0.0107	mg/L	V0
Potassium Ion	0.0060	0.0095	mg/L	V0
Sodium Ion	0.0080	0.0559	mg/L	V0
Ammonium Ion	0.0140	0.2411	mg/L	V0
Nitrate Ion	0.0200	1.358	mg/L	V0
Chloride Ion	0.0200	0.0884	mg/L	V0
Sulphate Ion	0.0200	0.6286	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300698
Start Date:	2021-03-03 14:00	End Date:	2021-03-09 15:35	Duration:	145.6 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		119.8	mL	
Pluvio Total		2.29	mm	
Potential Hydrogen		6.88		V0
Bicarbonate (calc)		38.7	µeq/L	
Conductivity	0.9	14.7	µS/cm	V0
Conductivity (calc)		12.5	µS/cm	
Conductivity Difference		-15.0	%	V0
Sum Anions		78.5	µeq/L	
Sum Cations		133.5	µeq/L	
Total Ions		212.0	µeq/L	
Ion Balance		25.9	%	V4
Ion Difference		55.0	µeq/L	
Calcium Ion	0.0100	1.951	mg/L	V0
Magnesium Ion	0.0060	0.3294	mg/L	V0
Potassium Ion	0.0060	0.0313	mg/L	V0
Sodium Ion	0.0080	0.1270	mg/L	V0
Ammonium Ion	0.0140	0.0468	mg/L	V0
Nitrate Ion	0.0200	1.428	mg/L	V0
Chloride Ion	0.0200	0.1435	mg/L	V0
Sulphate Ion	0.0200	0.6098	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-03-09 11:00**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-03-15 10:10**

Set Index: **1**  
WBEA ID: **210300739**  
Duration: **143.2 hr**

### Notes

Snowing during deployment

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		57.1	mL	
Pluvio Total		1.87	mm	
Potential Hydrogen		6.44		V0
Bicarbonate (calc)		14.0	µeq/L	
Conductivity	0.9	6.2	µS/cm	V0
Conductivity (calc)		5.5	µS/cm	
Conductivity Difference		-10.9	%	V0
Sum Anions		36.7	µeq/L	
Sum Cations		52.5	µeq/L	
Total Ions		89.2	µeq/L	
Ion Balance		17.6	%	
Ion Difference		15.7	µeq/L	V0
Calcium Ion	0.0100	0.7414	mg/L	V0
Magnesium Ion	0.0060	0.0869	mg/L	V0
Potassium Ion	0.0060	0.0166	mg/L	V0
Sodium Ion	0.0080	0.1178	mg/L	V0
Ammonium Ion	0.0140	0.0432	mg/L	V0
Nitrate Ion	0.0200	0.5118	mg/L	V0
Chloride Ion	0.0200	0.1834	mg/L	V0
Sulphate Ion	0.0200	0.4433	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300764
Start Date:	2021-03-09 15:35	End Date:	2021-03-15 13:40	Duration:	142.1 hr

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### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		3.6	mL	
Pluvio Total		0.11	mm	



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210300774
Start Date:	2021-03-10 14:25	End Date:	2021-03-16 09:10	Duration:	138.8 hr

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### Notes

None

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### Data

Parameter	MDL	Value	Unit	Data Flag
Precipitation Volume		0	mL	
Pluvio Total		0.00	mm	



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210300802
Start Date:	2021-03-15 10:10	End Date:	2021-03-22 10:35	Duration:	168.4 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		97.5	mL	
Pluvio Total		2.70	mm	
Potential Hydrogen		7.16		V0
Bicarbonate (calc)		73.7	µeq/L	
Conductivity	0.9	24.5	µS/cm	V0
Conductivity (calc)		20.4	µS/cm	
Conductivity Difference		-16.7	%	V0
Sum Anions		104.5	µeq/L	
Sum Cations		251.5	µeq/L	
Total Ions		356.0	µeq/L	
Ion Balance		41.3	%	V4
Ion Difference		147.0	µeq/L	
Calcium Ion	0.0100	4.074	mg/L	V0
Magnesium Ion	0.0060	0.4120	mg/L	V0
Potassium Ion	0.0060	0.0339	mg/L	V0
Sodium Ion	0.0080	0.1742	mg/L	V0
Ammonium Ion	0.0140	0.1050	mg/L	V0
Nitrate Ion	0.0200	0.7955	mg/L	V0
Chloride Ion	0.0200	0.1466	mg/L	V0
Sulphate Ion	0.0200	0.6621	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**      Samp Use: **Exposure**      Set Index: **1**  
Location: **Bertha Ganter - Fort McKay**      Loc ID: **BGFM**      WBEA ID: **210300809**  
Start Date: **2021-03-15 13:40**      End Date: **2021-03-22 15:05**      Duration: **169.4 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		184.3	mL	
Pluvio Total		2.96	mm	
Potential Hydrogen		6.78		V0
Bicarbonate (calc)		30.7	µeq/L	
Conductivity	0.9	11	µS/cm	V0
Conductivity (calc)		9.3	µS/cm	
Conductivity Difference		-15.3	%	V0
Sum Anions		52.6	µeq/L	
Sum Cations		106.6	µeq/L	
Total Ions		159.3	µeq/L	
Ion Balance		33.9	%	V4
Ion Difference		54.0	µeq/L	
Calcium Ion	0.0100	1.573	mg/L	V0
Magnesium Ion	0.0060	0.2286	mg/L	V0
Potassium Ion	0.0060	0.0461	mg/L	V0
Sodium Ion	0.0080	0.1089	mg/L	V0
Ammonium Ion	0.0140	0.0588	mg/L	V0
Nitrate Ion	0.0200	0.5733	mg/L	V0
Chloride Ion	0.0200	0.0959	mg/L	V0
Sulphate Ion	0.0200	0.4739	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210300824
Start Date:	2021-03-16 09:10	End Date:	2021-03-24 11:00	Duration:	193.8 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		213.7	mL	
Pluvio Total		3.06	mm	
Potential Hydrogen		6.06		V0
Bicarbonate (calc)		5.9	µeq/L	
Conductivity	0.9	5.1	µS/cm	V0
Conductivity (calc)		4.7	µS/cm	
Conductivity Difference		-7.3	%	V0
Sum Anions		31.9	µeq/L	
Sum Cations		38.2	µeq/L	
Total Ions		70.1	µeq/L	
Ion Balance		8.9	%	
Ion Difference		6.2	µeq/L	V0
Calcium Ion	0.0100	0.3204	mg/L	V0
Magnesium Ion	0.0060	0.0320	mg/L	V0
Potassium Ion	0.0060	0.0272	mg/L	V0
Sodium Ion	0.0080	0.2557	mg/L	V0
Ammonium Ion	0.0140	0.1234	mg/L	V0
Nitrate Ion	0.0200	0.5758	mg/L	V0
Chloride Ion	0.0200	0.4492	mg/L	V0
Sulphate Ion	0.0200	0.1958	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-03-22 10:35**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-03-30 09:50**

Set Index: **1**  
WBEA ID: **210300918**  
Duration: **191.3 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		206.9	mL	
Pluvio Total		7.36	mm	
Potential Hydrogen		7.47		V0
Bicarbonate (calc)		150.5	µeq/L	
Conductivity	0.9	43	µS/cm	V0
Conductivity (calc)		32.5	µS/cm	
Conductivity Difference		-24.5	%	V4
Sum Anions		188.2	µeq/L	
Sum Cations		391.3	µeq/L	
Total Ions		579.5	µeq/L	
Ion Balance		35.1	%	V4
Ion Difference		203.1	µeq/L	
Calcium Ion	0.0100	6.466	mg/L	V0
Magnesium Ion	0.0060	0.7287	mg/L	V0
Potassium Ion	0.0060	0.0428	mg/L	V0
Sodium Ion	0.0080	0.1026	mg/L	V0
Ammonium Ion	0.0140	0.0559	mg/L	V0
Nitrate Ion	0.0200	0.9385	mg/L	V0
Chloride Ion	0.0200	0.1524	mg/L	V0
Sulphate Ion	0.0200	0.8744	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PRECIP - NADP	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210300950	
Start Date:	2021-03-22 15:05	End Date:	2021-03-30 14:25	Duration:	191.3 hr	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		273.2	mL	
Pluvio Total		6.29	mm	
Potential Hydrogen		7.43		V0
Bicarbonate (calc)		137.3	µeq/L	
Conductivity	0.9	31.6	µS/cm	V0
Conductivity (calc)		26.6	µS/cm	
Conductivity Difference		-15.9	%	V0
Sum Anions		196.7	µeq/L	
Sum Cations		270.4	µeq/L	
Total Ions		467.1	µeq/L	
Ion Balance		15.8	%	V0
Ion Difference		73.7	µeq/L	
Calcium Ion	0.0100	4.247	mg/L	V0
Magnesium Ion	0.0060	0.4809	mg/L	V0
Potassium Ion	0.0060	0.0634	mg/L	V0
Sodium Ion	0.0080	0.2239	mg/L	V0
Ammonium Ion	0.0140	0.1354	mg/L	V0
Nitrate Ion	0.0200	1.045	mg/L	V0
Chloride Ion	0.0200	0.2492	mg/L	V0
Sulphate Ion	0.0200	1.706	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-03-24 11:00**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-03-31 12:10**

Set Index: **1**  
WBEA ID: **210301014**  
Duration: **169.2 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		590.3	mL	
Pluvio Total		8.84	mm	
Potential Hydrogen		5.11		V0
Bicarbonate (calc)		0.7	µeq/L	
Conductivity	0.9	6.8	µS/cm	V0
Conductivity (calc)		6.0	µS/cm	
Conductivity Difference		-12.0	%	V0
Sum Anions		28.1	µeq/L	
Sum Cations		25.6	µeq/L	
Total Ions		53.7	µeq/L	
Ion Balance		-4.6	%	
Ion Difference		-2.5	µeq/L	V0
Calcium Ion	0.0100	0.1325	mg/L	V0
Magnesium Ion	0.0060	0.0169	mg/L	V0
Potassium Ion	0.0060	0.0130	mg/L	V0
Sodium Ion	0.0080	0.0248	mg/L	V0
Ammonium Ion	0.0140	0.1527	mg/L	V0
Nitrate Ion	0.0200	0.8653	mg/L	V0
Chloride Ion	0.0200	0.0542	mg/L	V0
Sulphate Ion	0.0200	0.5733	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210301067
Start Date:	2021-03-30 09:50	End Date:	2021-04-06 11:50	Duration:	170.0 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		39.3	mL	
Pluvio Total		0.81	mm	
Potential Hydrogen		7.34		V0
Bicarbonate (calc)		111.6	µeq/L	
Conductivity	0.9	21.2	µS/cm	V0
Conductivity (calc)		17.5	µS/cm	
Conductivity Difference		-17.2	%	V0
Sum Anions		133.2	µeq/L	
Sum Cations		186.4	µeq/L	
Total Ions		319.6	µeq/L	
Ion Balance		16.6	%	V0
Ion Difference		53.2	µeq/L	
Calcium Ion	0.0100	3.016	mg/L	V0
Magnesium Ion	0.0060	0.3307	mg/L	V0
Potassium Ion	0.0060	0.0355	mg/L	V0
Sodium Ion	0.0080	0.1184	mg/L	V0
Ammonium Ion	0.0140	0.0468	mg/L	V0
Nitrate Ion	0.0200	0.4479	mg/L	V0
Chloride Ion	0.0200	0.1297	mg/L	V0
Sulphate Ion	0.0200	0.5149	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210301084
Start Date:	2021-03-30 14:25	End Date:	2021-04-06 14:55	Duration:	168.5 hr

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### Notes

None

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### Data

Parameter	MDL	Value	Unit	Data Flag
Precipitation Volume		0	mL	
Pluvio Total		0.00	mm	



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210301095
Start Date:	2021-03-31 12:10	End Date:	2021-04-07 13:45	Duration:	169.6 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		586.3	mL	
Pluvio Total		8.25	mm	
Potential Hydrogen		6.43		V0
Bicarbonate (calc)		13.7	µeq/L	
Conductivity	0.9	8.8	µS/cm	V0
Conductivity (calc)		8.2	µS/cm	
Conductivity Difference		-6.5	%	V0
Sum Anions		52.5	µeq/L	
Sum Cations		69.4	µeq/L	
Total Ions		121.9	µeq/L	
Ion Balance		13.9	%	V0
Ion Difference		17.0	µeq/L	
Calcium Ion	0.0100	0.4620	mg/L	V0
Magnesium Ion	0.0060	0.1066	mg/L	V0
Potassium Ion	0.0060	0.0318	mg/L	V0
Sodium Ion	0.0080	0.0471	mg/L	V0
Ammonium Ion	0.0140	0.6203	mg/L	V0
Nitrate Ion	0.0200	0.9525	mg/L	V0
Chloride Ion	0.0200	0.0586	mg/L	V0
Sulphate Ion	0.0200	1.044	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210401134
Start Date:	2021-04-06 11:50	End Date:	2021-04-13 11:15	Duration:	167.4 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		147	mL	
Pluvio Total		4.56	mm	
Potential Hydrogen		6.66		V0
Bicarbonate (calc)		23.3	µeq/L	
Conductivity	0.9	10.7	µS/cm	V0
Conductivity (calc)		9.8	µS/cm	
Conductivity Difference		-8.3	%	V0
Sum Anions		67.9	µeq/L	
Sum Cations		88.1	µeq/L	
Total Ions		156.0	µeq/L	
Ion Balance		13.0	%	V0
Ion Difference		20.2	µeq/L	
Calcium Ion	0.0100	1.202	mg/L	V0
Magnesium Ion	0.0060	0.1435	mg/L	V0
Potassium Ion	0.0060	0.0126	mg/L	V0
Sodium Ion	0.0080	0.0511	mg/L	V0
Ammonium Ion	0.0140	0.2450	mg/L	V0
Nitrate Ion	0.0200	1.367	mg/L	V0
Chloride Ion	0.0200	0.0594	mg/L	V0
Sulphate Ion	0.0200	1.001	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PRECIP - NADP	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 210401148
Start Date:	2021-04-06 14:55	Loc ID: BGFM	Duration: 165.1 hr
		End Date: 2021-04-13 12:00	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		161.1	mL	
Pluvio Total		2.49	mm	
Potential Hydrogen		6.96		V0
Bicarbonate (calc)		46.5	µeq/L	
Conductivity	0.9	23.1	µS/cm	V0
Conductivity (calc)		20.6	µS/cm	
Conductivity Difference		-10.6	%	V0
Sum Anions		135.4	µeq/L	
Sum Cations		197.0	µeq/L	
Total Ions		332.4	µeq/L	
Ion Balance		18.5	%	V0
Ion Difference		61.5	µeq/L	
Calcium Ion	0.0100	2.736	mg/L	V0
Magnesium Ion	0.0060	0.3361	mg/L	V0
Potassium Ion	0.0060	0.0625	mg/L	V0
Sodium Ion	0.0080	0.2111	mg/L	V0
Ammonium Ion	0.0140	0.3952	mg/L	V0
Nitrate Ion	0.0200	2.395	mg/L	V0
Chloride Ion	0.0200	0.2096	mg/L	V0
Sulphate Ion	0.0200	2.133	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-04-07 13:45**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-04-14 11:15**

Set Index: **1**  
WBEA ID: **210401163**  
Duration: **165.5 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		56.3	mL	
Pluvio Total		0.68	mm	
Potential Hydrogen		6.63		V0
Bicarbonate (calc)		21.8	µeq/L	
Conductivity	0.9	10.4	µS/cm	V0
Conductivity (calc)		9.3	µS/cm	
Conductivity Difference		-10.3	%	V0
Sum Anions		64.2	µeq/L	
Sum Cations		81.6	µeq/L	
Total Ions		145.9	µeq/L	
Ion Balance		11.9	%	V0
Ion Difference		17.4	µeq/L	
Calcium Ion	0.0100	0.7049	mg/L	V0
Magnesium Ion	0.0060	0.1746	mg/L	V0
Potassium Ion	0.0060	0.0786	mg/L	V0
Sodium Ion	0.0080	0.1532	mg/L	V0
Ammonium Ion	0.0140	0.4184	mg/L	V0
Nitrate Ion	0.0200	1.029	mg/L	V0
Chloride Ion	0.0200	0.1797	mg/L	V0
Sulphate Ion	0.0200	0.9975	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-04-13 11:45**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-04-20 09:10**

Set Index: **1**  
WBEA ID: **210401239**  
Duration: **165.4 hr**

### Notes

Sample start time 30 mins after previous sample due to replacement of the lid seal on the sampler.

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		72.9	mL	
Pluvio Total		1.27	mm	
Potential Hydrogen		7.27		V0
Bicarbonate (calc)		95.0	µeq/L	
Conductivity	0.9	31.2	µS/cm	V0
Conductivity (calc)		24.4	µS/cm	
Conductivity Difference		-21.8	%	V4
Sum Anions		125.3	µeq/L	
Sum Cations		303.4	µeq/L	
Total Ions		428.7	µeq/L	
Ion Balance		41.5	%	V4
Ion Difference		178.1	µeq/L	
Calcium Ion	0.0100	4.924	mg/L	V0
Magnesium Ion	0.0060	0.5507	mg/L	V0
Potassium Ion	0.0060	0.0338	mg/L	V0
Sodium Ion	0.0080	0.1144	mg/L	V0
Ammonium Ion	0.0140	0.1161	mg/L	V0
Nitrate Ion	0.0200	0.5723	mg/L	V0
Chloride Ion	0.0200	0.1057	mg/L	V0
Sulphate Ion	0.0200	0.8695	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**      Samp Use: **Exposure**      Set Index: **1**  
Location: **Bertha Ganter - Fort McKay**      Loc ID: **BGFM**      WBEA ID: **210401237**  
Start Date: **2021-04-13 12:00**      End Date: **2021-04-20 13:25**      Duration: **169.4 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		24.5	mL	
Pluvio Total		0.48	mm	
Potential Hydrogen		7.36		V0
Bicarbonate (calc)		116.8	µeq/L	
Conductivity	0.9	39.5	µS/cm	V0
Conductivity (calc)		31.7	µS/cm	
Conductivity Difference		-19.8	%	V0
Sum Anions		173.7	µeq/L	
Sum Cations		376.5	µeq/L	
Total Ions		550.3	µeq/L	
Ion Balance		36.9	%	V4
Ion Difference		202.8	µeq/L	
Calcium Ion	0.0100	5.956	mg/L	V0
Magnesium Ion	0.0060	0.5927	mg/L	V0
Potassium Ion	0.0060	0.1077	mg/L	V0
Sodium Ion	0.0080	0.3894	mg/L	V0
Ammonium Ion	0.0140	0.1951	mg/L	V0
Nitrate Ion	0.0200	1.200	mg/L	V0
Chloride Ion	0.0200	0.3187	mg/L	V0
Sulphate Ion	0.0200	1.371	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210401255
Start Date:	2021-04-14 11:30	End Date:	2021-04-21 11:30	Duration:	168.0 hr

### Notes

Sample start time 15 mins after previous sample due to replacement of the lid seal on the sampler.

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		62.9	mL	
Pluvio Total		0.95	mm	
Potential Hydrogen		6.56		V0
Bicarbonate (calc)		18.5	µeq/L	
Conductivity	0.9	10.7	µS/cm	V0
Conductivity (calc)		10.2	µS/cm	
Conductivity Difference		-4.8	%	V0
Sum Anions		73.5	µeq/L	
Sum Cations		87.3	µeq/L	
Total Ions		160.8	µeq/L	
Ion Balance		8.6	%	V0
Ion Difference		13.8	µeq/L	
Calcium Ion	0.0100	1.1	mg/L	V0
Magnesium Ion	0.0060	0.2395	mg/L	V0
Potassium Ion	0.0060	0.0542	mg/L	V0
Sodium Ion	0.0080	0.1670	mg/L	V0
Ammonium Ion	0.0140	0.0680	mg/L	V0
Nitrate Ion	0.0200	1.163	mg/L	V0
Chloride Ion	0.0200	0.2464	mg/L	V0
Sulphate Ion	0.0200	1.404	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210401789
Start Date:	2021-04-20 09:10	End Date:	2021-04-26 10:05	Duration:	144.9 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		44.7	mL	
Pluvio Total		1.30	mm	
Potential Hydrogen		7.48		V0
Bicarbonate (calc)		154.0	µeq/L	
Conductivity	0.9	60.8	µS/cm	V0
Conductivity (calc)		46.5	µS/cm	
Conductivity Difference		-23.5	%	V4
Sum Anions		236.4	µeq/L	
Sum Cations		564.1	µeq/L	
Total Ions		800.5	µeq/L	
Ion Balance		40.9	%	V4
Ion Difference		327.7	µeq/L	
Calcium Ion	0.0100	9.994	mg/L	V0
Magnesium Ion	0.0060	0.5111	mg/L	V0
Potassium Ion	0.0060	0.1071	mg/L	V0
Sodium Ion	0.0080	0.3494	mg/L	V0
Ammonium Ion	0.0140	0.0965	mg/L	V0
Nitrate Ion	0.0200	1.283	mg/L	V0
Chloride Ion	0.0200	0.3276	mg/L	V0
Sulphate Ion	0.0200	2.515	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PRECIP - NADP      Samp Use: Exposure      Set Index: 1  
Location: Bertha Ganter - Fort McKay      Loc ID: BGFM      WBEA ID: 210401803  
Start Date: 2021-04-20 13:25      End Date: 2021-04-26 14:50      Duration: 145.4 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		56	mL	
Pluvio Total		0.69	mm	
Potential Hydrogen		7.48		V0
Bicarbonate (calc)		154.0	µeq/L	
Conductivity	0.9	49.2	µS/cm	V0
Conductivity (calc)		40.4	µS/cm	
Conductivity Difference		-17.9	%	V0
Sum Anions		253.3	µeq/L	
Sum Cations		443.6	µeq/L	
Total Ions		697.0	µeq/L	
Ion Balance		27.3	%	V4
Ion Difference		190.3	µeq/L	
Calcium Ion	0.0100	6.727	mg/L	V0
Magnesium Ion	0.0060	0.7512	mg/L	V0
Potassium Ion	0.0060	0.2155	mg/L	V0
Sodium Ion	0.0080	0.6719	mg/L	V0
Ammonium Ion	0.0140	0.2050	mg/L	V0
Nitrate Ion	0.0200	2.250	mg/L	V0
Chloride Ion	0.0200	0.4778	mg/L	V0
Sulphate Ion	0.0200	2.378	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-04-21 11:30**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-04-27 10:00**

Set Index: **1**  
WBEA ID: **210401813**  
Duration: **142.5 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		359.7	mL	
Pluvio Total		5.89	mm	
Potential Hydrogen		5.97		V0
Bicarbonate (calc)		4.8	µeq/L	
Conductivity	0.9	5.4	µS/cm	V0
Conductivity (calc)		5.0	µS/cm	
Conductivity Difference		-7.8	%	V0
Sum Anions		31.8	µeq/L	
Sum Cations		40.2	µeq/L	
Total Ions		72.0	µeq/L	
Ion Balance		11.6	%	
Ion Difference		8.4	µeq/L	V0
Calcium Ion	0.0100	0.5157	mg/L	V0
Magnesium Ion	0.0060	0.0752	mg/L	V0
Potassium Ion	0.0060	0.0427	mg/L	V0
Sodium Ion	0.0080	0.0570	mg/L	V0
Ammonium Ion	0.0140	0.0654	mg/L	V0
Nitrate Ion	0.0200	0.6819	mg/L	V0
Chloride Ion	0.0200	0.0564	mg/L	V0
Sulphate Ion	0.0200	0.6946	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: <b>PRECIP - NADP</b>	Samp Use: <b>Exposure</b>	Set Index: <b>1</b>
Location: <b>Wapasu</b>	Loc ID: <b>WAPS</b>	WBEA ID: <b>210401851</b>
Start Date: <b>2021-04-26 10:05</b>	End Date: <b>2021-05-03 10:40</b>	Duration: <b>168.6 hr</b>

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		369.2	mL	
Pluvio Total		5.43	mm	
Potential Hydrogen		6.67		V0
Bicarbonate (calc)		23.9	µeq/L	
Conductivity	0.9	7.3	µS/cm	V0
Conductivity (calc)		6.3	µS/cm	
Conductivity Difference		-14.2	%	V0
Sum Anions		43.7	µeq/L	
Sum Cations		59.3	µeq/L	
Total Ions		103.0	µeq/L	
Ion Balance		15.2	%	V0
Ion Difference		15.7	µeq/L	
Calcium Ion	0.0100	0.7645	mg/L	V0
Magnesium Ion	0.0060	0.1031	mg/L	V0
Potassium Ion	0.0060	0.0176	mg/L	V0
Sodium Ion	0.0080	0.0386	mg/L	V0
Ammonium Ion	0.0140	0.1871	mg/L	V0
Nitrate Ion	0.0200	0.3927	mg/L	V0
Chloride Ion	0.0200	0.0422	mg/L	V0
Sulphate Ion	0.0200	0.5887	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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Sample Type:	PRECIP - NADP	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 210401907
Start Date:	2021-04-26 14:50	Loc ID: BGFM	Duration: 167.8 hr
		End Date: 2021-05-03 14:35	

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		225.8	mL	
Pluvio Total		4.28	mm	
Potential Hydrogen		6.77		V0
Bicarbonate (calc)		30.0	µeq/L	
Conductivity	0.9	16.9	µS/cm	V0
Conductivity (calc)		15.3	µS/cm	
Conductivity Difference		-9.4	%	V0
Sum Anions		98.7	µeq/L	
Sum Cations		140.0	µeq/L	
Total Ions		238.7	µeq/L	
Ion Balance		17.3	%	V0
Ion Difference		41.3	µeq/L	
Calcium Ion	0.0100	1.713	mg/L	V0
Magnesium Ion	0.0060	0.2098	mg/L	V0
Potassium Ion	0.0060	0.0499	mg/L	V0
Sodium Ion	0.0080	0.1536	mg/L	V0
Ammonium Ion	0.0140	0.5249	mg/L	V0
Nitrate Ion	0.0200	0.9242	mg/L	V0
Chloride Ion	0.0200	0.1290	mg/L	V0
Sulphate Ion	0.0200	2.404	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-04-27 10:00**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-05-05 11:50**

Set Index: **1**  
WBEA ID: **210401874**  
Duration: **193.8 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		128.2	mL	
Pluvio Total		1.40	mm	
Potential Hydrogen		6.22		V0
Bicarbonate (calc)		8.5	µeq/L	
Conductivity	0.9	7.4	µS/cm	V0
Conductivity (calc)		6.8	µS/cm	
Conductivity Difference		-8.1	%	V0
Sum Anions		45.1	µeq/L	
Sum Cations		56.6	µeq/L	
Total Ions		101.7	µeq/L	
Ion Balance		11.4	%	V0
Ion Difference		11.5	µeq/L	
Calcium Ion	0.0100	0.5579	mg/L	V0
Magnesium Ion	0.0060	0.0819	mg/L	V0
Potassium Ion	0.0060	0.0626	mg/L	V0
Sodium Ion	0.0080	0.1149	mg/L	V0
Ammonium Ion	0.0140	0.2679	mg/L	V0
Nitrate Ion	0.0200	1.228	mg/L	V0
Chloride Ion	0.0200	0.1783	mg/L	V0
Sulphate Ion	0.0200	0.5654	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210501967
Start Date:	2021-05-03 10:40	End Date:	2021-05-11 12:35	Duration:	193.9 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		18.3	mL	
Pluvio Total		0.22	mm	
Potential Hydrogen		6.41		V0
Bicarbonate (calc)		13.1	µeq/L	
Conductivity	0.9	9.6	µS/cm	V0
Conductivity (calc)		8.7	µS/cm	
Conductivity Difference		-8.9	%	V0
Sum Anions		50.8	µeq/L	
Sum Cations		81.8	µeq/L	
Total Ions		132.6	µeq/L	
Ion Balance		23.4	%	V4
Ion Difference		31.0	µeq/L	
Calcium Ion	0.0100	0.8845	mg/L	V0
Magnesium Ion	0.0060	0.0889	mg/L	V0
Potassium Ion	0.0060	0.0258	mg/L	V0
Sodium Ion	0.0080	0.0733	mg/L	V0
Ammonium Ion	0.0140	0.4710	mg/L	V0
Nitrate Ion	0.0200	0.8061	mg/L	V0
Chloride Ion	0.0200	0.1438	mg/L	V0
Sulphate Ion	0.0200	0.9902	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210501972
Start Date:	2021-05-03 14:35	End Date:	2021-05-11 13:05	Duration:	190.5 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		20.7	mL	
Pluvio Total		0.37	mm	
Potential Hydrogen		7.89		V0
Bicarbonate (calc)		395.9	µeq/L	
Conductivity	0.9	130.5	µS/cm	V0
Conductivity (calc)		116.1	µS/cm	
Conductivity Difference		-11.0	%	V0
Sum Anions		665.0	µeq/L	
Sum Cations		1324.0	µeq/L	
Total Ions		1989.1	µeq/L	
Ion Balance		33.1	%	V4
Ion Difference		659.0	µeq/L	
Calcium Ion	0.0100	21.56	mg/L	V0
Magnesium Ion	0.0060	0.6793	mg/L	V0
Potassium Ion	0.0060	0.6157	mg/L	V0
Sodium Ion	0.0080	3.396	mg/L	V0
Ammonium Ion	0.0140	0.5163	mg/L	V0
Nitrate Ion	0.0200	3.113	mg/L	V0
Chloride Ion	0.0200	2.479	mg/L	V0
Sulphate Ion	0.0200	7.153	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-05-05 11:50**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-05-12 10:40**

Set Index: **1**  
WBEA ID: **210501978**  
Duration: **166.8 hr**

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### Notes

None

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### Data

#### Parameter

#### MDL

#### Value

#### Unit

#### Flag

Precipitation Volume  
Pluvio Total

8 mL  
0.00 mm



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210502055
Start Date:	2021-05-11 12:35	End Date:	2021-05-18 14:20	Duration:	169.8 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		421.7	mL	
Pluvio Total		5.58	mm	
Potential Hydrogen		5.82		V0
Bicarbonate (calc)		3.4	µeq/L	
Conductivity	0.9	5.6	µS/cm	V0
Conductivity (calc)		5.3	µS/cm	
Conductivity Difference		-4.9	%	V0
Sum Anions		32.8	µeq/L	
Sum Cations		40.9	µeq/L	
Total Ions		73.7	µeq/L	
Ion Balance		10.9	%	
Ion Difference		8.0	µeq/L	V0
Calcium Ion	0.0100	0.4862	mg/L	V0
Magnesium Ion	0.0060	0.0753	mg/L	V0
Potassium Ion	0.0060	0.0209	mg/L	V0
Sodium Ion	0.0080	0.0457	mg/L	V0
Ammonium Ion	0.0140	0.1153	mg/L	V0
Nitrate Ion	0.0200	0.6008	mg/L	V0
Chloride Ion	0.0200	0.0525	mg/L	V0
Sulphate Ion	0.0200	0.8762	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**      Samp Use: **Exposure**      Set Index: **1**  
Location: **Bertha Ganter - Fort McKay**      Loc ID: **BGFM**      WBEA ID: **210502040**  
Start Date: **2021-05-11 13:05**      End Date: **2021-05-18 12:25**      Duration: **167.3 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		589.8	mL	
Pluvio Total		8.50	mm	
Potential Hydrogen		6.81		V0
Bicarbonate (calc)		32.9	µeq/L	
Conductivity	0.9	16.6	µS/cm	V0
Conductivity (calc)		14.6	µS/cm	
Conductivity Difference		-12.3	%	V0
Sum Anions		90.0	µeq/L	
Sum Cations		146.4	µeq/L	
Total Ions		236.4	µeq/L	
Ion Balance		23.8	%	V4
Ion Difference		56.4	µeq/L	
Calcium Ion	0.0100	2.028	mg/L	V0
Magnesium Ion	0.0060	0.2802	mg/L	V0
Potassium Ion	0.0060	0.0641	mg/L	V0
Sodium Ion	0.0080	0.2664	mg/L	V0
Ammonium Ion	0.0140	0.1581	mg/L	V0
Nitrate Ion	0.0200	0.8030	mg/L	V0
Chloride Ion	0.0200	0.1113	mg/L	V0
Sulphate Ion	0.0200	1.969	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-05-12 10:40**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-05-19 11:15**

Set Index: **1**  
WBEA ID: **210502058**  
Duration: **168.6 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		3255.9	mL	
Pluvio Total		45.10	mm	
Potential Hydrogen		5.47		V0
Bicarbonate (calc)		1.5	µeq/L	
Conductivity	0.9	3.4	µS/cm	V0
Conductivity (calc)		3.0	µS/cm	
Conductivity Difference		-10.7	%	V0
Sum Anions		13.3	µeq/L	
Sum Cations		16.7	µeq/L	
Total Ions		30.0	µeq/L	
Ion Balance		11.1	%	
Ion Difference		3.3	µeq/L	V0
Calcium Ion	0.0100	0.0863	mg/L	V0
Magnesium Ion	0.0060	0.0119	mg/L	V0
Potassium Ion	0.0060	0.0130	mg/L	V0
Sodium Ion	0.0080	0.0130	mg/L	V0
Ammonium Ion	0.0140	0.1279	mg/L	V0
Nitrate Ion	0.0200	0.2969	mg/L	V0
Chloride Ion	0.0200	0.0269	mg/L	V0
Sulphate Ion	0.0200	0.2995	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210502105
Start Date:	2021-05-18 12:25	End Date:	2021-05-25 12:15	Duration:	167.8 hr

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### Notes

None

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### Data

#### Parameter

#### MDL

#### Value

#### Unit

#### Flag

Precipitation Volume  
Pluvio Total

0.4 mL  
0.00 mm



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-05-18 14:20**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-05-25 09:40**

Set Index: **1**  
WBEA ID: **210502120**  
Duration: **163.3 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		23.5	mL	
Pluvio Total		0.43	mm	
Potential Hydrogen		6.63		V0
Bicarbonate (calc)		21.8	µeq/L	
Conductivity	0.9	14.7	µS/cm	V0
Conductivity (calc)		11.7	µS/cm	
Conductivity Difference		-20.2	%	V0
Sum Anions		60.4	µeq/L	
Sum Cations		129.7	µeq/L	
Total Ions		190.1	µeq/L	
Ion Balance		36.4	%	V4
Ion Difference		69.3	µeq/L	
Calcium Ion	0.0100	1.846	mg/L	V0
Magnesium Ion	0.0060	0.1888	mg/L	V0
Potassium Ion	0.0060	0.0957	mg/L	V0
Sodium Ion	0.0080	0.2317	mg/L	V0
Ammonium Ion	0.0140	0.1669	mg/L	V0
Nitrate Ion	0.0200	0.1990	mg/L	V0
Chloride Ion	0.0200	0.5830	mg/L	V0
Sulphate Ion	0.0200	0.9124	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-05-19 11:15**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-05-26 09:15**

Set Index: **1**  
WBEA ID: **210502123**  
Duration: **166.0 hr**

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### Notes

Trace amounts of precip.

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Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1.4	mL	
Pluvio Total		0.28	mm	





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210502185
Start Date:	2021-05-25 09:40	End Date:	2021-06-01 15:00	Duration:	173.3 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1569.7	mL	
Pluvio Total		23.71	mm	
Potential Hydrogen		5.89		V0
Bicarbonate (calc)		4.0	µeq/L	
Conductivity	0.9	4.8	µS/cm	V0
Conductivity (calc)		4.5	µS/cm	
Conductivity Difference		-5.7	%	V0
Sum Anions		26.3	µeq/L	
Sum Cations		34.4	µeq/L	
Total Ions		60.7	µeq/L	
Ion Balance		13.4	%	
Ion Difference		8.1	µeq/L	V0
Calcium Ion	0.0100	0.2244	mg/L	V0
Magnesium Ion	0.0060	0.0328	mg/L	V0
Potassium Ion	0.0060	0.0232	mg/L	V0
Sodium Ion	0.0080	0.0181	mg/L	V0
Ammonium Ion	0.0140	0.3219	mg/L	V0
Nitrate Ion	0.0200	0.6084	mg/L	V0
Chloride Ion	0.0200	0.0308	mg/L	V0
Sulphate Ion	0.0200	0.5561	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**      Samp Use: **Exposure**      Set Index: **1**  
Location: **Bertha Ganter - Fort McKay**      Loc ID: **BGFM**      WBEA ID: **210502194**  
Start Date: **2021-05-25 13:15**      End Date: **2021-06-01 14:55**      Duration: **169.7 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		2362	mL	
Pluvio Total		35.23	mm	
Potential Hydrogen		5.79		V0
Bicarbonate (calc)		3.1	µeq/L	
Conductivity	0.9	4.6	µS/cm	V0
Conductivity (calc)		4.4	µS/cm	
Conductivity Difference		-3.7	%	V0
Sum Anions		26.2	µeq/L	
Sum Cations		31.7	µeq/L	
Total Ions		57.8	µeq/L	
Ion Balance		9.5	%	
Ion Difference		5.5	µeq/L	V0
Calcium Ion	0.0100	0.2150	mg/L	V0
Magnesium Ion	0.0060	0.0438	mg/L	V0
Potassium Ion	0.0060	0.0205	mg/L	V0
Sodium Ion	0.0080	0.0248	mg/L	V0
Ammonium Ion	0.0140	0.2543	mg/L	V0
Nitrate Ion	0.0200	0.5325	mg/L	V0
Chloride Ion	0.0200	0.0268	mg/L	V0
Sulphate Ion	0.0200	0.6574	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-05-26 09:15**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-06-02 12:20**

Set Index: **1**  
WBEA ID: **210502208**  
Duration: **171.1 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		160.5	mL	
Pluvio Total		2.15	mm	
Potential Hydrogen		5.46		V0
Bicarbonate (calc)		1.5	µeq/L	
Conductivity	0.9	3.8	µS/cm	V0
Conductivity (calc)		3.6	µS/cm	
Conductivity Difference		-5.3	%	V0
Sum Anions		17.0	µeq/L	
Sum Cations		21.5	µeq/L	
Total Ions		38.6	µeq/L	
Ion Balance		11.7	%	
Ion Difference		4.5	µeq/L	V0
Calcium Ion	0.0100	0.2010	mg/L	V0
Magnesium Ion	0.0060	0.0388	mg/L	V0
Potassium Ion	0.0060	0.1552	mg/L	V0
Sodium Ion	0.0080	0.0178	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.1878	mg/L	V0
Chloride Ion	0.0200	0.0435	mg/L	V0
Sulphate Ion	0.0200	0.5413	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210602279
Start Date:	2021-06-01 14:55	End Date:	2021-06-07 15:10	Duration:	144.3 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		1146.1	mL	
Pluvio Total		16.28	mm	
Potential Hydrogen		5.57		V0
Bicarbonate (calc)		1.9	µeq/L	
Conductivity	0.9	3.4	µS/cm	V0
Conductivity (calc)		3.2	µS/cm	
Conductivity Difference		-6.9	%	V0
Sum Anions		15.8	µeq/L	
Sum Cations		20.2	µeq/L	
Total Ions		36.0	µeq/L	
Ion Balance		12.1	%	
Ion Difference		4.3	µeq/L	V0
Calcium Ion	0.0100	0.2141	mg/L	V0
Magnesium Ion	0.0060	0.0408	mg/L	V0
Potassium Ion	0.0060	0.0879	mg/L	V0
Sodium Ion	0.0080	0.0274	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.0990	mg/L	V0
Chloride Ion	0.0200	0.0304	mg/L	V0
Sulphate Ion	0.0200	0.5499	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	PRECIP - NADP	Deployment Information	Set Index: 1
Location:	Wapasu	Samp Use: Exposure	WBEA ID: 210602299
Start Date:	2021-06-01 15:00	Loc ID: WAPS	Duration: 139.5 hr
		End Date: 2021-06-07 10:30	

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		571.4	mL	
Pluvio Total		7.69	mm	
Potential Hydrogen		6.34		V0
Bicarbonate (calc)		11.2	µeq/L	
Conductivity	0.9	7.6	µS/cm	V0
Conductivity (calc)		5.7	µS/cm	
Conductivity Difference		-25.6	%	V0
Sum Anions		24.9	µeq/L	
Sum Cations		65.4	µeq/L	
Total Ions		90.4	µeq/L	
Ion Balance		44.8	%	
Ion Difference		40.5	µeq/L	V4
Calcium Ion	0.0100	0.9147	mg/L	V0
Magnesium Ion	0.0060	0.1058	mg/L	V0
Potassium Ion	0.0060	0.1811	mg/L	V0
Sodium Ion	0.0080	0.0415	mg/L	V0
Ammonium Ion	0.0140	0.0758	mg/L	V0
Nitrate Ion	0.0200	0.1124	mg/L	V0
Chloride Ion	0.0200	0.0589	mg/L	V0
Sulphate Ion	0.0200	0.4834	mg/L	V0
Phosphate Ion	0.0100	0.0222	mg/L	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: <b>PRECIP - NADP</b>	Samp Use: <b>Exposure</b>	Set Index: <b>1</b>
Location: <b>Stony Mountain</b>	Loc ID: <b>STMT</b>	WBEA ID: <b>210602319</b>
Start Date: <b>2021-06-02 12:20</b>	End Date: <b>2021-06-08 12:30</b>	Duration: <b>144.2 hr</b>

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		156.7	mL	
Pluvio Total		1.67	mm	
Potential Hydrogen		5.89		V0
Bicarbonate (calc)		4.0	µeq/L	
Conductivity	0.9	14.6	µS/cm	V0
Conductivity (calc)		14.0	µS/cm	
Conductivity Difference		-4.3	%	V0
Sum Anions		89.0	µeq/L	
Sum Cations		111.0	µeq/L	
Total Ions		200.0	µeq/L	
Ion Balance		11.0	%	V0
Ion Difference		21.9	µeq/L	
Calcium Ion	0.0100	1.07	mg/L	V0
Magnesium Ion	0.0060	0.2200	mg/L	V0
Potassium Ion	0.0060	0.7439	mg/L	V0
Sodium Ion	0.0080	0.0690	mg/L	V0
Ammonium Ion	0.0140	0.2912	mg/L	V0
Nitrate Ion	0.0200	2.205	mg/L	V0
Chloride Ion	0.0200	0.2250	mg/L	V0
Sulphate Ion	0.0200	2.069	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210602354
Start Date:	2021-06-07 10:30	End Date:	2021-06-14 11:15	Duration:	168.8 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		2294.2	mL	
Pluvio Total		34.28	mm	
Potential Hydrogen		6.28		V0
Bicarbonate (calc)		9.7	µeq/L	
Conductivity	0.9	2.3	µS/cm	V0
Conductivity (calc)		2.0	µS/cm	
Conductivity Difference		-14.8	%	V0
Sum Anions		17.6	µeq/L	
Sum Cations		12.8	µeq/L	
Total Ions		30.4	µeq/L	
Ion Balance		-15.9	%	
Ion Difference		-4.8	µeq/L	V0
Calcium Ion	0.0100	0.1411	mg/L	V0
Magnesium Ion	0.0060	0.0124	mg/L	V0
Potassium Ion	0.0060	0.0445	mg/L	V0
Sodium Ion	0.0080	0.0353	mg/L	V0
Ammonium Ion	0.0140	0.0273	mg/L	V0
Nitrate Ion	0.0200	0.1652	mg/L	V0
Chloride Ion	0.0200	0.0616	mg/L	V0
Sulphate Ion	0.0200	0.1645	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**      Samp Use: **Exposure**      Set Index: **1**  
Location: **Bertha Ganter - Fort McKay**      Loc ID: **BGFM**      WBEA ID: **210602377**  
Start Date: **2021-06-07 15:10**      End Date: **2021-06-14 14:50**      Duration: **167.7 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1759.6	mL	
Pluvio Total		25.53	mm	
Potential Hydrogen		6.11		V0
Bicarbonate (calc)		6.6	µeq/L	
Conductivity	0.9	3.4	µS/cm	V0
Conductivity (calc)		3.2	µS/cm	
Conductivity Difference		-4.8	%	V0
Sum Anions		21.4	µeq/L	
Sum Cations		26.2	µeq/L	
Total Ions		47.6	µeq/L	
Ion Balance		10.2	%	
Ion Difference		4.9	µeq/L	V0
Calcium Ion	0.0100	0.3900	mg/L	V0
Magnesium Ion	0.0060	0.0285	mg/L	V0
Potassium Ion	0.0060	0.0118	mg/L	V0
Sodium Ion	0.0080	0.0196	mg/L	V0
Ammonium Ion	0.0140	0.0452	mg/L	V0
Nitrate Ion	0.0200	0.2920	mg/L	V0
Chloride Ion	0.0200	0.0270	mg/L	V0
Sulphate Ion	0.0200	0.4489	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-06-08 12:30**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-06-16 10:30**

Set Index: **1**  
WBEA ID: **210602385**  
Duration: **190.0 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		4514	mL	
Pluvio Total		66.22	mm	
Potential Hydrogen		5.53		V0
Bicarbonate (calc)		1.7	µeq/L	
Conductivity	0.9	3.7	µS/cm	V0
Conductivity (calc)		3.5	µS/cm	
Conductivity Difference		-6.0	%	V0
Sum Anions		17.4	µeq/L	
Sum Cations		20.8	µeq/L	
Total Ions		38.2	µeq/L	
Ion Balance		8.8	%	
Ion Difference		3.4	µeq/L	V0
Calcium Ion	0.0100	0.1081	mg/L	V0
Magnesium Ion	0.0060	0.0166	mg/L	V0
Potassium Ion	0.0060	0.0202	mg/L	V0
Sodium Ion	0.0080	0.0257	mg/L	V0
Ammonium Ion	0.0140	0.1707	mg/L	V0
Nitrate Ion	0.0200	0.4752	mg/L	V0
Chloride Ion	0.0200	0.0311	mg/L	V0
Sulphate Ion	0.0200	0.3430	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-06-14 11:15**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-06-22 08:35**

Set Index: **1**  
WBEA ID: **210602432**  
Duration: **189.3 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		900	mL	
Pluvio Total		13.58	mm	
Potential Hydrogen		5.83		V0
Bicarbonate (calc)		3.4	µeq/L	
Conductivity	0.9	2	µS/cm	V0
Conductivity (calc)		1.7	µS/cm	
Conductivity Difference		-17.3	%	V0
Sum Anions		8.5	µeq/L	
Sum Cations		11.6	µeq/L	
Total Ions		20.0	µeq/L	
Ion Balance		15.6	%	
Ion Difference		3.1	µeq/L	V0
Calcium Ion	0.0100	0.1381	mg/L	V0
Magnesium Ion	0.0060	0.0142	mg/L	V0
Potassium Ion	0.0060	0.0125	mg/L	V0
Sodium Ion	0.0080	0.0154	mg/L	V0
Ammonium Ion	0.0140	0.0192	mg/L	V0
Nitrate Ion	0.0200	0.1643	mg/L	V0
Chloride Ion	0.0200	0.0261	mg/L	V0
Sulphate Ion	0.0200	0.0780	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PRECIP - NADP      Samp Use: Exposure      Set Index: 1  
Location: Bertha Ganter - Fort McKay      Loc ID: BGFM      WBEA ID: 210602449  
Start Date: 2021-06-14 14:50      End Date: 2021-06-22 13:40      Duration: 190.8 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		893.3	mL	
Pluvio Total		12.41	mm	
Potential Hydrogen		6.39		V0
Bicarbonate (calc)		12.5	µeq/L	
Conductivity	0.9	4.7	µS/cm	V0
Conductivity (calc)		4.1	µS/cm	
Conductivity Difference		-12.3	%	V0
Sum Anions		28.1	µeq/L	
Sum Cations		37.4	µeq/L	
Total Ions		65.5	µeq/L	
Ion Balance		14.3	%	
Ion Difference		9.4	µeq/L	V0
Calcium Ion	0.0100	0.4899	mg/L	V0
Magnesium Ion	0.0060	0.0495	mg/L	V0
Potassium Ion	0.0060	0.0233	mg/L	V0
Sodium Ion	0.0080	0.0467	mg/L	V0
Ammonium Ion	0.0140	0.1058	mg/L	V0
Nitrate Ion	0.0200	0.4431	mg/L	V0
Chloride Ion	0.0200	0.0528	mg/L	V0
Sulphate Ion	0.0200	0.3312	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-06-16 10:30**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-06-23 12:05**

Set Index: **1**  
WBEA ID: **210602456**  
Duration: **169.6 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1257.4	mL	
Pluvio Total		16.76	mm	
Potential Hydrogen		5.18		V0
Bicarbonate (calc)		0.8	µeq/L	
Conductivity	0.9	4.4	µS/cm	V0
Conductivity (calc)		3.8	µS/cm	
Conductivity Difference		-14.5	%	V0
Sum Anions		12.2	µeq/L	
Sum Cations		15.5	µeq/L	
Total Ions		27.7	µeq/L	
Ion Balance		12.0	%	
Ion Difference		3.3	µeq/L	V0
Calcium Ion	0.0100	0.1275	mg/L	V0
Magnesium Ion	0.0060	0.0164	mg/L	V0
Potassium Ion	0.0060	0.0303	mg/L	V0
Sodium Ion	0.0080	0.0098	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.1456	mg/L	V0
Chloride Ion	0.0200	0.0268	mg/L	V0
Sulphate Ion	0.0200	0.3987	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-06-22 08:35**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-06-30 08:25**

Set Index: **1**  
WBEA ID: **210602543**  
Duration: **191.8 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		266.1	mL	
Pluvio Total		3.33	mm	
Potential Hydrogen		5.93		V0
Bicarbonate (calc)		4.3	µeq/L	
Conductivity	0.9	7.7	µS/cm	V0
Conductivity (calc)		6.6	µS/cm	
Conductivity Difference		-14.4	%	V0
Sum Anions		30.1	µeq/L	
Sum Cations		69.6	µeq/L	
Total Ions		99.7	µeq/L	
Ion Balance		39.6	%	
Ion Difference		39.5	µeq/L	V4
Calcium Ion	0.0100	1.09	mg/L	V0
Magnesium Ion	0.0060	0.1303	mg/L	V0
Potassium Ion	0.0060	0.0247	mg/L	V0
Sodium Ion	0.0080	0.0658	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.2791	mg/L	V0
Chloride Ion	0.0200	0.1405	mg/L	V0
Sulphate Ion	0.0200	0.8292	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**      Samp Use: **Exposure**      Set Index: **1**  
Location: **Bertha Ganter - Fort McKay**      Loc ID: **BGFM**      WBEA ID: **210602563**  
Start Date: **2021-06-22 13:40**      End Date: **2021-06-30 11:50**      Duration: **190.2 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		297.6	mL	
Pluvio Total		4.05	mm	
Potential Hydrogen		6.18		V0
Bicarbonate (calc)		7.7	µeq/L	
Conductivity	0.9	8.2	µS/cm	V0
Conductivity (calc)		6.1	µS/cm	
Conductivity Difference		-25.4	%	V0
Sum Anions		27.5	µeq/L	
Sum Cations		69.7	µeq/L	
Total Ions		97.2	µeq/L	
Ion Balance		43.4	%	
Ion Difference		42.1	µeq/L	V4
Calcium Ion	0.0100	0.9622	mg/L	V0
Magnesium Ion	0.0060	0.1344	mg/L	V0
Potassium Ion	0.0060	0.0884	mg/L	V0
Sodium Ion	0.0080	0.1759	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.0475	mg/L	V0
Chloride Ion	0.0200	0.2486	mg/L	V0
Sulphate Ion	0.0200	0.5766	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210602572
Start Date:	2021-06-23 12:05	End Date:	2021-06-30 13:30	Duration:	169.4 hr

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### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		0	mL	
Pluvio Total		0.00	mm	



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

Sample Type:	PRECIP - NADP	Deployment Information	Set Index: 1
Location:	Wapasu	Samp Use: Exposure	WBEA ID: 210602608
Start Date:	2021-06-30 08:25	Loc ID: WAPS	Duration: 146.4 hr
		End Date: 2021-07-06 10:50	

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1060.8	mL	
Pluvio Total		15.26	mm	
Potential Hydrogen		6.33		V0
Bicarbonate (calc)		10.9	µeq/L	
Conductivity	0.9	3.5	µS/cm	V0
Conductivity (calc)		3.0	µS/cm	
Conductivity Difference		-14.6	%	V0
Sum Anions		19.2	µeq/L	
Sum Cations		29.3	µeq/L	
Total Ions		48.6	µeq/L	
Ion Balance		20.7	%	
Ion Difference		10.1	µeq/L	V0
Calcium Ion	0.0100	0.4139	mg/L	V0
Magnesium Ion	0.0060	0.0583	mg/L	V0
Potassium Ion	0.0060	0.0110	mg/L	V0
Sodium Ion	0.0080	0.0289	mg/L	V0
Ammonium Ion	0.0140	0.0335	mg/L	V0
Nitrate Ion	0.0200	0.2026	mg/L	V0
Chloride Ion	0.0200	0.0242	mg/L	V0
Sulphate Ion	0.0200	0.2099	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**      Samp Use: **Exposure**      Set Index: **1**  
Location: **Bertha Ganter - Fort McKay**      Loc ID: **BGFM**      WBEA ID: **210602627**  
Start Date: **2021-06-30 11:50**      End Date: **2021-07-06 14:25**      Duration: **146.6 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		325.6	mL	
Pluvio Total		4.46	mm	
Potential Hydrogen		6.74		V0
Bicarbonate (calc)		28.0	µeq/L	
Conductivity	0.9	11.8	µS/cm	V0
Conductivity (calc)		10.5	µS/cm	
Conductivity Difference		-11.2	%	V0
Sum Anions		67.7	µeq/L	
Sum Cations		104.0	µeq/L	
Total Ions		171.7	µeq/L	
Ion Balance		21.2	%	V4
Ion Difference		36.4	µeq/L	
Calcium Ion	0.0100	1.358	mg/L	V0
Magnesium Ion	0.0060	0.2276	mg/L	V0
Potassium Ion	0.0060	0.0439	mg/L	V0
Sodium Ion	0.0080	0.1491	mg/L	V0
Ammonium Ion	0.0140	0.1758	mg/L	V0
Nitrate Ion	0.0200	1.066	mg/L	V0
Chloride Ion	0.0200	0.0830	mg/L	V0
Sulphate Ion	0.0200	0.9647	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: <b>PRECIP - NADP</b>	Samp Use: <b>Exposure</b>	Set Index: <b>1</b>
Location: <b>Stony Mountain</b>	Loc ID: <b>STMT</b>	WBEA ID: <b>210602624</b>
Start Date: <b>2021-06-30 13:30</b>	End Date: <b>2021-07-07 12:10</b>	Duration: <b>166.7 hr</b>

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		370.7	mL	
Pluvio Total		4.35	mm	
Potential Hydrogen		5.3		V0
Bicarbonate (calc)		1.0	µeq/L	
Conductivity	0.9	2.8	µS/cm	V0
Conductivity (calc)		2.5	µS/cm	
Conductivity Difference		-9.9	%	V0
Sum Anions		6.4	µeq/L	
Sum Cations		10.2	µeq/L	
Total Ions		16.6	µeq/L	
Ion Balance		23.2	%	
Ion Difference		3.9	µeq/L	V0
Calcium Ion	0.0100	0.0747	mg/L	V0
Magnesium Ion	0.0060	0.0127	mg/L	V0
Potassium Ion	0.0060	0.0079	mg/L	V0
Sodium Ion	0.0080	-8888	mg/L	V1
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.0346	mg/L	V0
Chloride Ion	0.0200	-8888	mg/L	V1
Sulphate Ion	0.0200	0.2081	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-07-06 10:50**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-07-13 14:00**

Set Index: **1**  
WBEA ID: **210702687**  
Duration: **171.2 hr**

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### Notes

None

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<b>Parameter</b>	<b>MDL</b>	<b>Value</b>	<b>Unit</b>	Data
				<b>Flag</b>
Precipitation Volume		5.4	mL	
Pluvio Total		0.09	mm	



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702707
Start Date:	2021-07-06 14:25	End Date:	2021-07-13 12:05	Duration:	165.7 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		75.3	mL	
Pluvio Total		0.98	mm	
Potential Hydrogen		6.73		V0
Bicarbonate (calc)		27.4	µeq/L	
Conductivity	0.9	19.1	µS/cm	V0
Conductivity (calc)		16.7	µS/cm	
Conductivity Difference		-12.6	%	V0
Sum Anions		98.7	µeq/L	
Sum Cations		166.1	µeq/L	
Total Ions		264.8	µeq/L	
Ion Balance		25.5	%	V4
Ion Difference		67.4	µeq/L	
Calcium Ion	0.0100	1.915	mg/L	V0
Magnesium Ion	0.0060	0.3568	mg/L	V0
Potassium Ion	0.0060	0.0728	mg/L	V0
Sodium Ion	0.0080	0.2502	mg/L	V0
Ammonium Ion	0.0140	0.5101	mg/L	V0
Nitrate Ion	0.0200	1.908	mg/L	V0
Chloride Ion	0.0200	0.2426	mg/L	V0
Sulphate Ion	0.0200	1.614	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210702721
Start Date:	2021-07-07 12:10	End Date:	2021-07-14 12:40	Duration:	168.5 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		323.5	mL	
Pluvio Total		4.43	mm	
Potential Hydrogen		5.38		V0
Bicarbonate (calc)		1.2	µeq/L	
Conductivity	0.9	5.3	µS/cm	V0
Conductivity (calc)		4.8	µS/cm	
Conductivity Difference		-10.0	%	V0
Sum Anions		21.3	µeq/L	
Sum Cations		31.1	µeq/L	
Total Ions		52.4	µeq/L	
Ion Balance		18.8	%	
Ion Difference		9.8	µeq/L	V0
Calcium Ion	0.0100	0.1766	mg/L	V0
Magnesium Ion	0.0060	0.0317	mg/L	V0
Potassium Ion	0.0060	0.0575	mg/L	V0
Sodium Ion	0.0080	0.0344	mg/L	V0
Ammonium Ion	0.0140	0.2260	mg/L	V0
Nitrate Ion	0.0200	0.7318	mg/L	V0
Chloride Ion	0.0200	0.0817	mg/L	V0
Sulphate Ion	0.0200	0.2820	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702784
Start Date:	2021-07-13 12:05	End Date:	2021-07-19 14:30	Duration:	146.4 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		319.8	mL	
Pluvio Total		4.60	mm	
Potential Hydrogen		6.04		V0
Bicarbonate (calc)		5.6	µeq/L	
Conductivity	0.9	8	µS/cm	V0
Conductivity (calc)		6.6	µS/cm	
Conductivity Difference		-17.7	%	V0
Sum Anions		28.2	µeq/L	
Sum Cations		65.0	µeq/L	
Total Ions		93.2	µeq/L	
Ion Balance		39.5	%	
Ion Difference		36.8	µeq/L	V4
Calcium Ion	0.0100	0.3996	mg/L	V0
Magnesium Ion	0.0060	0.0506	mg/L	V0
Potassium Ion	0.0060	0.0399	mg/L	V0
Sodium Ion	0.0080	0.0241	mg/L	V0
Ammonium Ion	0.0140	0.6842	mg/L	V0
Nitrate Ion	0.0200	0.8180	mg/L	V0
Chloride Ion	0.0200	0.0493	mg/L	V0
Sulphate Ion	0.0200	0.3841	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-07-13 14:00**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-07-19 11:10**

Set Index: **1**  
WBEA ID: **210702792**  
Duration: **141.2 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		383.6	mL	
Pluvio Total		5.46	mm	
Potential Hydrogen		5.24		V0
Bicarbonate (calc)		0.9	µeq/L	
Conductivity	0.9	12.5	µS/cm	V0
Conductivity (calc)		10.8	µS/cm	
Conductivity Difference		-13.3	%	V0
Sum Anions		43.2	µeq/L	
Sum Cations		88.8	µeq/L	
Total Ions		132.0	µeq/L	
Ion Balance		-9999	%	M2
Ion Difference		45.6	µeq/L	
Calcium Ion	0.0100	0.5031	mg/L	V0
Magnesium Ion	0.0060	0.0528	mg/L	V0
Potassium Ion	0.0060	0.0768	mg/L	V0
Sodium Ion	0.0080	0.0239	mg/L	V0
Ammonium Ion	0.0140	0.9132	mg/L	V0
Nitrate Ion	0.0200	1.634	mg/L	V0
Chloride Ion	0.0200	0.0899	mg/L	V0
Sulphate Ion	0.0200	0.6410	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-07-14 12:40**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-07-20 12:45**

Set Index: **1**  
WBEA ID: **210702801**  
Duration: **144.1 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		869.2	mL	
Pluvio Total		12.25	mm	
Potential Hydrogen		5.6		V0
Bicarbonate (calc)		2.0	µeq/L	
Conductivity	0.9	16	µS/cm	V0
Conductivity (calc)		12.5	µS/cm	
Conductivity Difference		-21.9	%	V0
Sum Anions		37.5	µeq/L	
Sum Cations		127.2	µeq/L	
Total Ions		164.7	µeq/L	
Ion Balance		54.5	%	V4
Ion Difference		89.8	µeq/L	
Calcium Ion	0.0100	0.3281	mg/L	V0
Magnesium Ion	0.0060	0.0432	mg/L	V0
Potassium Ion	0.0060	0.0665	mg/L	V0
Sodium Ion	0.0080	-8888	mg/L	V1
Ammonium Ion	0.0140	1.854	mg/L	V0
Nitrate Ion	0.0200	1.212	mg/L	V0
Chloride Ion	0.0200	0.0522	mg/L	V0
Sulphate Ion	0.0200	0.6909	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-07-19 11:10**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-07-26 11:30**

Set Index: **1**  
WBEA ID: **210702835**  
Duration: **168.3 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		2095.7	mL	
Pluvio Total		30.36	mm	
Potential Hydrogen		5.24		V0
Bicarbonate (calc)		0.9	µeq/L	
Conductivity	0.9	4.7	µS/cm	V0
Conductivity (calc)		4.3	µS/cm	
Conductivity Difference		-9.0	%	V0
Sum Anions		13.9	µeq/L	
Sum Cations		24.3	µeq/L	
Total Ions		38.2	µeq/L	
Ion Balance		27.1	%	
Ion Difference		10.4	µeq/L	V4
Calcium Ion	0.0100	0.1340	mg/L	V0
Magnesium Ion	0.0060	0.0135	mg/L	V0
Potassium Ion	0.0060	0.0192	mg/L	V0
Sodium Ion	0.0080	0.0235	mg/L	V0
Ammonium Ion	0.0140	0.1664	mg/L	V0
Nitrate Ion	0.0200	0.2768	mg/L	V0
Chloride Ion	0.0200	0.0226	mg/L	V0
Sulphate Ion	0.0200	0.3813	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702849
Start Date:	2021-07-19 14:30	End Date:	2021-07-26 13:15	Duration:	166.8 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		2099.2	mL	
Pluvio Total		30.28	mm	
Potential Hydrogen		5.36		V0
Bicarbonate (calc)		1.2	µeq/L	
Conductivity	0.9	5.7	µS/cm	V0
Conductivity (calc)		5.2	µS/cm	
Conductivity Difference		-9.0	%	V0
Sum Anions		23.2	µeq/L	
Sum Cations		34.6	µeq/L	
Total Ions		57.8	µeq/L	
Ion Balance		19.8	%	
Ion Difference		11.4	µeq/L	V4
Calcium Ion	0.0100	0.3537	mg/L	V0
Magnesium Ion	0.0060	0.0322	mg/L	V0
Potassium Ion	0.0060	0.0223	mg/L	V0
Sodium Ion	0.0080	0.0134	mg/L	V0
Ammonium Ion	0.0140	0.1591	mg/L	V0
Nitrate Ion	0.0200	0.4408	mg/L	V0
Chloride Ion	0.0200	0.0215	mg/L	V0
Sulphate Ion	0.0200	0.6848	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-07-20 12:45**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-07-28 12:55**

Set Index: **1**  
WBEA ID: **210702863**  
Duration: **192.2 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1298.8	mL	
Pluvio Total		18.42	mm	
Potential Hydrogen		5.49		V0
Bicarbonate (calc)		1.6	µeq/L	
Conductivity	0.9	5.1	µS/cm	V0
Conductivity (calc)		4.4	µS/cm	
Conductivity Difference		-12.8	%	V0
Sum Anions		18.8	µeq/L	
Sum Cations		31.9	µeq/L	
Total Ions		50.7	µeq/L	
Ion Balance		26.0	%	
Ion Difference		13.2	µeq/L	V4
Calcium Ion	0.0100	0.1600	mg/L	V0
Magnesium Ion	0.0060	0.0249	mg/L	V0
Potassium Ion	0.0060	0.0450	mg/L	V0
Sodium Ion	0.0080	0.0099	mg/L	V0
Ammonium Ion	0.0140	0.3084	mg/L	V0
Nitrate Ion	0.0200	0.5044	mg/L	V0
Chloride Ion	0.0200	0.0265	mg/L	V0
Sulphate Ion	0.0200	0.3975	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-07-26 11:30**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-08-03 13:25**

Set Index: **1**  
WBEA ID: **210702916**  
Duration: **193.9 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1516.4	mL	
Pluvio Total		22.97	mm	
Potential Hydrogen		6.91		V0
Bicarbonate (calc)		41.5	µeq/L	
Conductivity	0.9	14	µS/cm	V0
Conductivity (calc)		12.1	µS/cm	
Conductivity Difference		-13.9	%	V0
Sum Anions		68.0	µeq/L	
Sum Cations		139.8	µeq/L	
Total Ions		207.9	µeq/L	
Ion Balance		34.5	%	V4
Ion Difference		71.8	µeq/L	
Calcium Ion	0.0100	2.145	mg/L	V0
Magnesium Ion	0.0060	0.3525	mg/L	V0
Potassium Ion	0.0060	0.0218	mg/L	V0
Sodium Ion	0.0080	0.0733	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.3841	mg/L	V0
Chloride Ion	0.0200	0.0482	mg/L	V0
Sulphate Ion	0.0200	0.9106	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210702924
Start Date:	2021-07-26 13:15	End Date:	2021-08-03 10:05	Duration:	188.8 hr

---

### Notes

None

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### Data

#### Parameter

#### MDL

#### Value

#### Unit

#### Flag

Precipitation Volume  
Pluvio Total

0 mL  
0.00 mm



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210702975
Start Date:	2021-07-28 12:55	End Date:	2021-08-04 12:25	Duration:	167.5 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		432.8	mL	
Pluvio Total		6.03	mm	
Potential Hydrogen		4.77		V0
Bicarbonate (calc)		0.3	µeq/L	
Conductivity	0.9	17.9	µS/cm	V0
Conductivity (calc)		15.7	µS/cm	
Conductivity Difference		-12.0	%	V0
Sum Anions		51.9	µeq/L	
Sum Cations		102.1	µeq/L	
Total Ions		154.0	µeq/L	
Ion Balance		-9999	%	M2
Ion Difference		50.2	µeq/L	
Calcium Ion	0.0100	0.3229	mg/L	V0
Magnesium Ion	0.0060	0.0477	mg/L	V0
Potassium Ion	0.0060	0.0971	mg/L	V0
Sodium Ion	0.0080	0.0444	mg/L	V0
Ammonium Ion	0.0140	1.094	mg/L	V0
Nitrate Ion	0.0200	1.622	mg/L	V0
Chloride Ion	0.0200	0.0785	mg/L	V0
Sulphate Ion	0.0200	1.113	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**      Samp Use: **Exposure**      Set Index: **1**  
Location: **Bertha Ganter - Fort McKay**      Loc ID: **BGFM**      WBEA ID: **210803032**  
Start Date: **2021-08-03 10:05**      End Date: **2021-08-09 12:10**      Duration: **146.1 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		827.8	mL	
Pluvio Total		11.68	mm	
Potential Hydrogen		6.47		V0
Bicarbonate (calc)		15.1	µeq/L	
Conductivity	0.9	19.4	µS/cm	V0
Conductivity (calc)		15.7	µS/cm	
Conductivity Difference		-19.2	%	V0
Sum Anions		65.4	µeq/L	
Sum Cations		171.0	µeq/L	
Total Ions		236.4	µeq/L	
Ion Balance		44.7	%	V4
Ion Difference		105.6	µeq/L	
Calcium Ion	0.0100	1.571	mg/L	V0
Magnesium Ion	0.0060	0.1691	mg/L	V0
Potassium Ion	0.0060	0.2035	mg/L	V0
Sodium Ion	0.0080	0.0676	mg/L	V0
Ammonium Ion	0.0140	1.266	mg/L	V0
Nitrate Ion	0.0200	1.626	mg/L	V0
Chloride Ion	0.0200	0.0977	mg/L	V0
Sulphate Ion	0.0200	1.024	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210803054
Start Date:	2021-08-03 13:35	End Date:	2021-08-09 09:20	Duration:	139.8 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1065.1	mL	
Pluvio Total		15.56	mm	
Potential Hydrogen		5.95		V0
Bicarbonate (calc)		4.5	µeq/L	
Conductivity	0.9	12.8	µS/cm	V0
Conductivity (calc)		10.6	µS/cm	
Conductivity Difference		-17.3	%	V0
Sum Anions		44.2	µeq/L	
Sum Cations		106.3	µeq/L	
Total Ions		150.4	µeq/L	
Ion Balance		41.3	%	V4
Ion Difference		62.1	µeq/L	
Calcium Ion	0.0100	0.7950	mg/L	V0
Magnesium Ion	0.0060	0.0745	mg/L	V0
Potassium Ion	0.0060	0.1375	mg/L	V0
Sodium Ion	0.0080	0.0312	mg/L	V0
Ammonium Ion	0.0140	0.9831	mg/L	V0
Nitrate Ion	0.0200	1.390	mg/L	V0
Chloride Ion	0.0200	0.0634	mg/L	V0
Sulphate Ion	0.0200	0.7390	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-08-04 12:25**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-08-10 10:05**

Set Index: **1**  
WBEA ID: **210803062**  
Duration: **141.7 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1794.3	mL	
Pluvio Total		25.40	mm	
Potential Hydrogen		5.14		V0
Bicarbonate (calc)		0.7	µeq/L	
Conductivity	0.9	5.7	µS/cm	V0
Conductivity (calc)		5.2	µS/cm	
Conductivity Difference		-8.5	%	V0
Sum Anions		15.9	µeq/L	
Sum Cations		30.7	µeq/L	
Total Ions		46.6	µeq/L	
Ion Balance		31.7	%	
Ion Difference		14.8	µeq/L	V4
Calcium Ion	0.0100	0.2385	mg/L	V0
Magnesium Ion	0.0060	0.0302	mg/L	V0
Potassium Ion	0.0060	0.0366	mg/L	V0
Sodium Ion	0.0080	0.0082	mg/L	V0
Ammonium Ion	0.0140	0.1404	mg/L	V0
Nitrate Ion	0.0200	0.4371	mg/L	V0
Chloride Ion	0.0200	0.0237	mg/L	V0
Sulphate Ion	0.0200	0.3603	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-08-09 09:20**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-08-16 11:45**

Set Index: **1**  
WBEA ID: **210803094**  
Duration: **170.4 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		891.7	mL	
Pluvio Total		12.23	mm	
Potential Hydrogen		5.7		V0
Bicarbonate (calc)		2.6	µeq/L	
Conductivity	0.9	3.3	µS/cm	V0
Conductivity (calc)		3.0	µS/cm	
Conductivity Difference		-9.0	%	V0
Sum Anions		15.6	µeq/L	
Sum Cations		22.5	µeq/L	
Total Ions		38.2	µeq/L	
Ion Balance		18.1	%	
Ion Difference		6.9	µeq/L	V0
Calcium Ion	0.0100	0.3096	mg/L	V0
Magnesium Ion	0.0060	0.0349	mg/L	V0
Potassium Ion	0.0060	0.0151	mg/L	V0
Sodium Ion	0.0080	0.0343	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.3378	mg/L	V0
Chloride Ion	0.0200	0.0498	mg/L	V0
Sulphate Ion	0.0200	0.2981	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803104
Start Date:	2021-08-09 12:10	End Date:	2021-08-16 13:00	Duration:	168.8 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		584.8	mL	
Pluvio Total		7.98	mm	
Potential Hydrogen		6.16		V0
Bicarbonate (calc)		7.4	µeq/L	
Conductivity	0.9	4.7	µS/cm	V0
Conductivity (calc)		4.2	µS/cm	
Conductivity Difference		-10.8	%	V0
Sum Anions		27.3	µeq/L	
Sum Cations		35.4	µeq/L	
Total Ions		62.7	µeq/L	
Ion Balance		13.0	%	
Ion Difference		8.2	µeq/L	V0
Calcium Ion	0.0100	0.4715	mg/L	V0
Magnesium Ion	0.0060	0.0521	mg/L	V0
Potassium Ion	0.0060	0.0285	mg/L	V0
Sodium Ion	0.0080	0.0445	mg/L	V0
Ammonium Ion	0.0140	0.0767	mg/L	V0
Nitrate Ion	0.0200	0.3839	mg/L	V0
Chloride Ion	0.0200	0.0509	mg/L	V0
Sulphate Ion	0.0200	0.5887	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210803125
Start Date:	2021-08-10 10:05	End Date:	2021-08-17 10:35	Duration:	168.5 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		176.6	mL	
Pluvio Total		2.32	mm	
Potential Hydrogen		5.82		V0
Bicarbonate (calc)		3.4	µeq/L	
Conductivity	0.9	3.4	µS/cm	V0
Conductivity (calc)		2.9	µS/cm	
Conductivity Difference		-14.7	%	V0
Sum Anions		13.7	µeq/L	
Sum Cations		24.3	µeq/L	
Total Ions		38.1	µeq/L	
Ion Balance		27.8	%	
Ion Difference		10.6	µeq/L	V0
Calcium Ion	0.0100	0.2582	mg/L	V0
Magnesium Ion	0.0060	0.0332	mg/L	V0
Potassium Ion	0.0060	0.0980	mg/L	V0
Sodium Ion	0.0080	0.0172	mg/L	V0
Ammonium Ion	0.0140	0.0710	mg/L	V0
Nitrate Ion	0.0200	0.1978	mg/L	V0
Chloride Ion	0.0200	0.0398	mg/L	V0
Sulphate Ion	0.0200	0.2884	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210803176
Start Date:	2021-08-16 11:45	End Date:	2021-08-24 09:05	Duration:	189.3 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1014.7	mL	
Pluvio Total		13.70	mm	
Potential Hydrogen		5.96		V0
Bicarbonate (calc)		4.7	µeq/L	
Conductivity	0.9	6.8	µS/cm	V0
Conductivity (calc)		6.5	µS/cm	
Conductivity Difference		-4.4	%	V0
Sum Anions		39.2	µeq/L	
Sum Cations		55.4	µeq/L	
Total Ions		94.6	µeq/L	
Ion Balance		17.2	%	
Ion Difference		16.2	µeq/L	V0
Calcium Ion	0.0100	0.6909	mg/L	V0
Magnesium Ion	0.0060	0.1023	mg/L	V0
Potassium Ion	0.0060	0.0550	mg/L	V0
Sodium Ion	0.0080	0.0959	mg/L	V0
Ammonium Ion	0.0140	0.1054	mg/L	V0
Nitrate Ion	0.0200	0.6525	mg/L	V0
Chloride Ion	0.0200	0.0420	mg/L	V0
Sulphate Ion	0.0200	1.095	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803191
Start Date:	2021-08-16 13:00	End Date:	2021-08-24 13:30	Duration:	192.5 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		321.3	mL	
Pluvio Total		4.42	mm	
Potential Hydrogen		6.08		V0
Bicarbonate (calc)		6.1	µeq/L	
Conductivity	0.9	7.2	µS/cm	V0
Conductivity (calc)		6.8	µS/cm	
Conductivity Difference		-5.7	%	V0
Sum Anions		39.6	µeq/L	
Sum Cations		59.8	µeq/L	
Total Ions		99.4	µeq/L	
Ion Balance		20.4	%	
Ion Difference		20.2	µeq/L	V4
Calcium Ion	0.0100	0.7077	mg/L	V0
Magnesium Ion	0.0060	0.0862	mg/L	V0
Potassium Ion	0.0060	0.0393	mg/L	V0
Sodium Ion	0.0080	0.0319	mg/L	V0
Ammonium Ion	0.0140	0.2555	mg/L	V0
Nitrate Ion	0.0200	0.7755	mg/L	V0
Chloride Ion	0.0200	0.0416	mg/L	V0
Sulphate Ion	0.0200	0.9484	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210803196
Start Date:	2021-08-17 10:35	End Date:	2021-08-25 10:20	Duration:	191.8 hr

### Notes

Power outage occurred from 22:00 MST on Aug 19th 2021 to 02:00 MST on Aug 20th 2021. Lid would not have opened during this time if precipitation were occurring.

### Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		391.8	mL	
Pluvio Total		5.34	mm	
Potential Hydrogen		5.92		V0
Bicarbonate (calc)		4.2	µeq/L	
Conductivity	0.9	5.5	µS/cm	V0
Conductivity (calc)		5.1	µS/cm	
Conductivity Difference		-8.0	%	V0
Sum Anions		28.6	µeq/L	
Sum Cations		41.2	µeq/L	
Total Ions		69.7	µeq/L	
Ion Balance		18.1	%	
Ion Difference		12.6	µeq/L	V0
Calcium Ion	0.0100	0.3091	mg/L	V0
Magnesium Ion	0.0060	0.0603	mg/L	V0
Potassium Ion	0.0060	0.0409	mg/L	V0
Sodium Ion	0.0080	0.0118	mg/L	V0
Ammonium Ion	0.0140	0.3249	mg/L	V0
Nitrate Ion	0.0200	0.7104	mg/L	V0
Chloride Ion	0.0200	0.0312	mg/L	V0
Sulphate Ion	0.0200	0.5743	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210803274
Start Date:	2021-08-24 09:05	End Date:	2021-08-30 15:30	Duration:	150.4 hr

### Notes

Sampler lid was open on arrival but it was not raining out. Recycling power to the sampler seemed to fix the issue. Likely a smaller sample due to evaporation.

### Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		626.4	mL	
Pluvio Total		21.68	mm	
Potential Hydrogen		5.33		V0
Bicarbonate (calc)		1.1	µeq/L	
Conductivity	0.9	4.1	µS/cm	V0
Conductivity (calc)		3.8	µS/cm	
Conductivity Difference		-6.7	%	V0
Sum Anions		16.2	µeq/L	
Sum Cations		21.5	µeq/L	
Total Ions		37.7	µeq/L	
Ion Balance		14.0	%	
Ion Difference		5.3	µeq/L	V0
Calcium Ion	0.0100	0.2176	mg/L	V0
Magnesium Ion	0.0060	0.0396	mg/L	V0
Potassium Ion	0.0060	0.0160	mg/L	V0
Sodium Ion	0.0080	0.0290	mg/L	V0
Ammonium Ion	0.0140	0.0181	mg/L	V0
Nitrate Ion	0.0200	0.3461	mg/L	V0
Chloride Ion	0.0200	0.0326	mg/L	V0
Sulphate Ion	0.0200	0.4125	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210803288
Start Date:	2021-08-24 13:30	End Date:	2021-08-30 13:40	Duration:	144.2 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1099.6	mL	
Pluvio Total		9.24	mm	
Potential Hydrogen		6.32		V0
Bicarbonate (calc)		10.7	µeq/L	
Conductivity	0.9	11.4	µS/cm	V0
Conductivity (calc)		10.8	µS/cm	
Conductivity Difference		-5.3	%	V0
Sum Anions		67.7	µeq/L	
Sum Cations		93.1	µeq/L	
Total Ions		160.8	µeq/L	
Ion Balance		15.8	%	V0
Ion Difference		25.4	µeq/L	
Calcium Ion	0.0100	1.111	mg/L	V0
Magnesium Ion	0.0060	0.1414	mg/L	V0
Potassium Ion	0.0060	0.0411	mg/L	V0
Sodium Ion	0.0080	0.0584	mg/L	V0
Ammonium Ion	0.0140	0.3968	mg/L	V0
Nitrate Ion	0.0200	0.9943	mg/L	V0
Chloride Ion	0.0200	0.0378	mg/L	V0
Sulphate Ion	0.0200	1.919	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210803297
Start Date:	2021-08-25 10:20	End Date:	2021-08-31 10:05	Duration:	143.8 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		351.2	mL	
Pluvio Total		4.98	mm	
Potential Hydrogen		6.6		V0
Bicarbonate (calc)		20.3	µeq/L	
Conductivity	0.9	12.3	µS/cm	V0
Conductivity (calc)		10.9	µS/cm	
Conductivity Difference		-11.1	%	V0
Sum Anions		63.1	µeq/L	
Sum Cations		103.1	µeq/L	
Total Ions		166.2	µeq/L	
Ion Balance		24.0	%	V4
Ion Difference		40.0	µeq/L	
Calcium Ion	0.0100	0.6384	mg/L	V0
Magnesium Ion	0.0060	0.1805	mg/L	V0
Potassium Ion	0.0060	0.0896	mg/L	V0
Sodium Ion	0.0080	0.0771	mg/L	V0
Ammonium Ion	0.0140	0.9104	mg/L	V0
Nitrate Ion	0.0200	1.444	mg/L	V0
Chloride Ion	0.0200	0.0432	mg/L	V0
Sulphate Ion	0.0200	0.8710	mg/L	V0
Phosphate Ion	0.0100	0.0165	mg/L	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: <b>PRECIP - NADP</b>	Samp Use: <b>Exposure</b>	Set Index: <b>1</b>
Location: <b>Bertha Ganter - Fort McKay</b>	Loc ID: <b>BGFM</b>	WBEA ID: <b>210803353</b>
Start Date: <b>2021-08-30 13:40</b>	End Date: <b>2021-09-07 15:20</b>	Duration: <b>193.7 hr</b>

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		3014.2	mL	
Pluvio Total		44.53	mm	
Potential Hydrogen		5.62		V0
Bicarbonate (calc)		2.1	µeq/L	
Conductivity	0.9	3.2	µS/cm	V0
Conductivity (calc)		3.0	µS/cm	
Conductivity Difference		-7.2	%	V0
Sum Anions		13.8	µeq/L	
Sum Cations		19.8	µeq/L	
Total Ions		33.6	µeq/L	
Ion Balance		17.6	%	
Ion Difference		5.9	µeq/L	V0
Calcium Ion	0.0100	0.1035	mg/L	V0
Magnesium Ion	0.0060	0.0225	mg/L	V0
Potassium Ion	0.0060	0.0162	mg/L	V0
Sodium Ion	0.0080	0.0096	mg/L	V0
Ammonium Ion	0.0140	0.1716	mg/L	V0
Nitrate Ion	0.0200	0.3878	mg/L	V0
Chloride Ion	0.0200	-8888	mg/L	V1
Sulphate Ion	0.0200	0.2373	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-08-30 15:30**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-09-07 14:00**

Set Index: **1**  
WBEA ID: **210803371**  
Duration: **190.5 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1868.9	mL	
Pluvio Total		27.52	mm	
Potential Hydrogen		5.81		V0
Bicarbonate (calc)		3.3	µeq/L	
Conductivity	0.9	3.9	µS/cm	V0
Conductivity (calc)		3.6	µS/cm	
Conductivity Difference		-8.6	%	V0
Sum Anions		18.5	µeq/L	
Sum Cations		28.4	µeq/L	
Total Ions		46.9	µeq/L	
Ion Balance		21.1	%	
Ion Difference		9.9	µeq/L	V0
Calcium Ion	0.0100	0.2223	mg/L	V0
Magnesium Ion	0.0060	0.0436	mg/L	V0
Potassium Ion	0.0060	0.0313	mg/L	V0
Sodium Ion	0.0080	0.0086	mg/L	V0
Ammonium Ion	0.0140	0.1980	mg/L	V0
Nitrate Ion	0.0200	0.5009	mg/L	V0
Chloride Ion	0.0200	0.0217	mg/L	V0
Sulphate Ion	0.0200	0.3095	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210803375
Start Date:	2021-08-31 10:05	End Date:	2021-09-08 12:00	Duration:	193.9 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		632.5	mL	
Pluvio Total		8.96	mm	
Potential Hydrogen		5.96		V0
Bicarbonate (calc)		4.7	µeq/L	
Conductivity	0.9	5.9	µS/cm	V0
Conductivity (calc)		5.6	µS/cm	
Conductivity Difference		-5.9	%	V0
Sum Anions		32.6	µeq/L	
Sum Cations		45.4	µeq/L	
Total Ions		77.9	µeq/L	
Ion Balance		16.4	%	
Ion Difference		12.8	µeq/L	V0
Calcium Ion	0.0100	0.3336	mg/L	V0
Magnesium Ion	0.0060	0.0818	mg/L	V0
Potassium Ion	0.0060	0.0445	mg/L	V0
Sodium Ion	0.0080	0.0116	mg/L	V0
Ammonium Ion	0.0140	0.3473	mg/L	V0
Nitrate Ion	0.0200	0.9795	mg/L	V0
Chloride Ion	0.0200	0.0372	mg/L	V0
Sulphate Ion	0.0200	0.5288	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-09-07 14:00**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-09-14 11:30**

Set Index: **1**  
WBEA ID: **210903474**  
Duration: **165.5 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1081.6	mL	
Pluvio Total		15.01	mm	
Potential Hydrogen		6.01		V0
Bicarbonate (calc)		5.2	µeq/L	
Conductivity	0.9	2.8	µS/cm	V0
Conductivity (calc)		2.6	µS/cm	
Conductivity Difference		-8.0	%	V0
Sum Anions		15.5	µeq/L	
Sum Cations		21.9	µeq/L	
Total Ions		37.4	µeq/L	
Ion Balance		17.3	%	
Ion Difference		6.5	µeq/L	V0
Calcium Ion	0.0100	0.2557	mg/L	V0
Magnesium Ion	0.0060	0.0336	mg/L	V0
Potassium Ion	0.0060	0.0109	mg/L	V0
Sodium Ion	0.0080	0.0936	mg/L	V0
Ammonium Ion	0.0140	0.0193	mg/L	V0
Nitrate Ion	0.0200	0.1666	mg/L	V0
Chloride Ion	0.0200	-8888	mg/L	V1
Sulphate Ion	0.0200	0.3358	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PRECIP - NADP      Samp Use: Exposure      Set Index: 1  
Location: Bertha Ganter - Fort McKay      Loc ID: BGFM      WBEA ID: 210903475  
Start Date: 2021-09-07 15:20      End Date: 2021-09-14 14:50      Duration: 167.5 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		237.7	mL	
Pluvio Total		2.79	mm	
Potential Hydrogen		5.75		V0
Bicarbonate (calc)		2.9	µeq/L	
Conductivity	0.9	3.7	µS/cm	V0
Conductivity (calc)		3.6	µS/cm	
Conductivity Difference		-4.0	%	V0
Sum Anions		19.9	µeq/L	
Sum Cations		26.7	µeq/L	
Total Ions		46.5	µeq/L	
Ion Balance		14.7	%	
Ion Difference		6.8	µeq/L	V0
Calcium Ion	0.0100	0.2692	mg/L	V0
Magnesium Ion	0.0060	0.0407	mg/L	V0
Potassium Ion	0.0060	0.0200	mg/L	V0
Sodium Ion	0.0080	0.0851	mg/L	V0
Ammonium Ion	0.0140	0.0706	mg/L	V0
Nitrate Ion	0.0200	0.2809	mg/L	V0
Chloride Ion	0.0200	0.0334	mg/L	V0
Sulphate Ion	0.0200	0.5529	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210903484
Start Date:	2021-09-08 12:00	End Date:	2021-09-15 09:30	Duration:	165.5 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		197.9	mL	
Pluvio Total		2.29	mm	
Potential Hydrogen		4.93		V0
Bicarbonate (calc)		0.4	µeq/L	
Conductivity	0.9	6.3	µS/cm	V0
Conductivity (calc)		5.9	µS/cm	
Conductivity Difference		-6.8	%	V0
Sum Anions		16.5	µeq/L	
Sum Cations		20.5	µeq/L	
Total Ions		37.0	µeq/L	
Ion Balance		10.9	%	
Ion Difference		4.0	µeq/L	V0
Calcium Ion	0.0100	0.0936	mg/L	V0
Magnesium Ion	0.0060	0.0110	mg/L	V0
Potassium Ion	0.0060	0.0284	mg/L	V0
Sodium Ion	0.0080	0.0272	mg/L	V0
Ammonium Ion	0.0140	0.0232	mg/L	V0
Nitrate Ion	0.0200	0.5118	mg/L	V0
Chloride Ion	0.0200	0.0330	mg/L	V0
Sulphate Ion	0.0200	0.3296	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-09-14 11:35**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-09-22 12:40**

Set Index: **1**  
WBEA ID: **210903552**  
Duration: **193.1 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1919.6	mL	
Pluvio Total		26.10	mm	
Potential Hydrogen		6.21		V0
Bicarbonate (calc)		8.3	µeq/L	
Conductivity	0.9	3.6	µS/cm	V0
Conductivity (calc)		3.3	µS/cm	
Conductivity Difference		-7.7	%	V0
Sum Anions		19.8	µeq/L	
Sum Cations		31.9	µeq/L	
Total Ions		51.7	µeq/L	
Ion Balance		23.5	%	
Ion Difference		12.1	µeq/L	V0
Calcium Ion	0.0100	0.4815	mg/L	V0
Magnesium Ion	0.0060	0.0530	mg/L	V0
Potassium Ion	0.0060	0.0240	mg/L	V0
Sodium Ion	0.0080	0.0231	mg/L	V0
Ammonium Ion	0.0140	0.0231	mg/L	V0
Nitrate Ion	0.0200	0.1829	mg/L	V0
Chloride Ion	0.0200	0.0264	mg/L	V0
Sulphate Ion	0.0200	0.3694	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PRECIP - NADP      Samp Use: Exposure      Set Index: 1  
Location: Bertha Ganter - Fort McKay      Loc ID: BGFM      WBEA ID: 210903572  
Start Date: 2021-09-14 14:50      End Date: 2021-09-22 08:50      Duration: 186.0 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		562.6	mL	
Pluvio Total		7.95	mm	
Potential Hydrogen		6.33		V0
Bicarbonate (calc)		10.9	µeq/L	
Conductivity	0.9	5.6	µS/cm	V0
Conductivity (calc)		5.2	µS/cm	
Conductivity Difference		-7.8	%	V0
Sum Anions		33.1	µeq/L	
Sum Cations		48.3	µeq/L	
Total Ions		81.4	µeq/L	
Ion Balance		18.7	%	
Ion Difference		15.2	µeq/L	V0
Calcium Ion	0.0100	0.5764	mg/L	V0
Magnesium Ion	0.0060	0.1169	mg/L	V0
Potassium Ion	0.0060	0.0442	mg/L	V0
Sodium Ion	0.0080	0.1081	mg/L	V0
Ammonium Ion	0.0140	0.0659	mg/L	V0
Nitrate Ion	0.0200	0.4511	mg/L	V0
Chloride Ion	0.0200	0.0460	mg/L	V0
Sulphate Ion	0.0200	0.6538	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-09-15 09:30**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-09-21 10:50**

Set Index: **1**  
WBEA ID: **210903577**  
Duration: **145.3 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1248.5	mL	
Pluvio Total		18.10	mm	
Potential Hydrogen		5.61		V0
Bicarbonate (calc)		2.1	µeq/L	
Conductivity	0.9	1.7	µS/cm	V0
Conductivity (calc)		1.3	µS/cm	
Conductivity Difference		-25.3	%	V0
Sum Anions		3.5	µeq/L	
Sum Cations		5.8	µeq/L	
Total Ions		9.3	µeq/L	
Ion Balance		25.1	%	
Ion Difference		2.3	µeq/L	V0
Calcium Ion	0.0100	0.0340	mg/L	V0
Magnesium Ion	0.0060	-8888	mg/L	V1
Potassium Ion	0.0060	0.0424	mg/L	V0
Sodium Ion	0.0080	-8888	mg/L	V1
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	-8888	mg/L	V1
Chloride Ion	0.0200	-8888	mg/L	V1
Sulphate Ion	0.0200	0.0417	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	210903619
Start Date:	2021-09-21 10:50	End Date:	2021-09-27 12:10	Duration:	145.3 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		62.2	mL	
Pluvio Total		0.74	mm	
Potential Hydrogen		6.39		V0
Bicarbonate (calc)		12.5	µeq/L	
Conductivity	0.9	12.8	µS/cm	V0
Conductivity (calc)		12.5	µS/cm	
Conductivity Difference		-2.7	%	V0
Sum Anions		81.4	µeq/L	
Sum Cations		103.2	µeq/L	
Total Ions		184.6	µeq/L	
Ion Balance		11.8	%	V0
Ion Difference		21.8	µeq/L	
Calcium Ion	0.0100	1.003	mg/L	V0
Magnesium Ion	0.0060	0.1822	mg/L	V0
Potassium Ion	0.0060	0.0463	mg/L	V0
Sodium Ion	0.0080	0.0492	mg/L	V0
Ammonium Ion	0.0140	0.6209	mg/L	V0
Nitrate Ion	0.0200	1.736	mg/L	V0
Chloride Ion	0.0200	0.0960	mg/L	V0
Sulphate Ion	0.0200	1.831	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PRECIP - NADP      Samp Use: Exposure      Set Index: 1  
Location: Bertha Ganter - Fort McKay      Loc ID: BGFM      WBEA ID: 210903633  
Start Date: 2021-09-22 08:50      End Date: 2021-09-29 11:30      Duration: 170.7 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1262.6	mL	
Pluvio Total		18.31	mm	
Potential Hydrogen		5.92		V0
Bicarbonate (calc)		4.2	µeq/L	
Conductivity	0.9	5.5	µS/cm	V0
Conductivity (calc)		5.4	µS/cm	
Conductivity Difference		-1.6	%	V0
Sum Anions		32.6	µeq/L	
Sum Cations		43.0	µeq/L	
Total Ions		75.6	µeq/L	
Ion Balance		13.7	%	
Ion Difference		10.4	µeq/L	V0
Calcium Ion	0.0100	0.4288	mg/L	V0
Magnesium Ion	0.0060	0.0673	mg/L	V0
Potassium Ion	0.0060	0.0174	mg/L	V0
Sodium Ion	0.0080	0.0351	mg/L	V0
Ammonium Ion	0.0140	0.2319	mg/L	V0
Nitrate Ion	0.0200	0.6074	mg/L	V0
Chloride Ion	0.0200	0.0224	mg/L	V0
Sulphate Ion	0.0200	0.8610	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: <b>PRECIP - NADP</b>	Samp Use: <b>Exposure</b>	Set Index: <b>1</b>
Location: <b>Wapasu</b>	Loc ID: <b>WAPS</b>	WBEA ID: <b>210903662</b>
Start Date: <b>2021-09-22 12:40</b>	End Date: <b>2021-09-29 09:05</b>	Duration: <b>164.4 hr</b>

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		944.5	mL	
Pluvio Total		13.64	mm	
Potential Hydrogen		6.41		V0
Bicarbonate (calc)		13.1	µeq/L	
Conductivity	0.9	6.7	µS/cm	V0
Conductivity (calc)		6.2	µS/cm	
Conductivity Difference		-7.0	%	V0
Sum Anions		38.9	µeq/L	
Sum Cations		59.0	µeq/L	
Total Ions		97.8	µeq/L	
Ion Balance		20.6	%	
Ion Difference		20.1	µeq/L	V4
Calcium Ion	0.0100	0.6832	mg/L	V0
Magnesium Ion	0.0060	0.1205	mg/L	V0
Potassium Ion	0.0060	0.0291	mg/L	V0
Sodium Ion	0.0080	0.0874	mg/L	V0
Ammonium Ion	0.0140	0.1809	mg/L	V0
Nitrate Ion	0.0200	0.5593	mg/L	V0
Chloride Ion	0.0200	0.0413	mg/L	V0
Sulphate Ion	0.0200	0.7423	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-09-27 12:10**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-10-05 09:35**

Set Index: **1**  
WBEA ID: **210903693**  
Duration: **189.4 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		76.6	mL	
Pluvio Total		1.00	mm	
Potential Hydrogen		6.1		V0
Bicarbonate (calc)		6.4	µeq/L	
Conductivity	0.9	8.9	µS/cm	V0
Conductivity (calc)		8.8	µS/cm	
Conductivity Difference		-1.6	%	V0
Sum Anions		62.3	µeq/L	
Sum Cations		70.0	µeq/L	
Total Ions		132.4	µeq/L	
Ion Balance		5.8	%	V0
Ion Difference		7.7	µeq/L	
Calcium Ion	0.0100	0.7544	mg/L	V0
Magnesium Ion	0.0060	0.1255	mg/L	V0
Potassium Ion	0.0060	0.0517	mg/L	V0
Sodium Ion	0.0080	0.4611	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	1.090	mg/L	V0
Chloride Ion	0.0200	0.0631	mg/L	V0
Sulphate Ion	0.0200	1.756	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	210903732
Start Date:	2021-09-29 09:05	End Date:	2021-10-06 10:00	Duration:	168.9 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		0	mL	
Pluvio Total		0.05	mm	





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	210903772
Start Date:	2021-09-29 11:30	End Date:	2021-10-06 14:10	Duration:	170.7 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		8.3	mL	
Pluvio Total		0.08	mm	



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-10-05 09:35**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-10-12 09:55**

Set Index: **1**  
WBEA ID: **211003822**  
Duration: **168.3 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		492.1	mL	
Pluvio Total		6.90	mm	
Potential Hydrogen		6.1		V0
Bicarbonate (calc)		6.4	µeq/L	
Conductivity	0.9	5.7	µS/cm	V0
Conductivity (calc)		5.4	µS/cm	
Conductivity Difference		-4.8	%	V0
Sum Anions		32.7	µeq/L	
Sum Cations		45.4	µeq/L	
Total Ions		78.1	µeq/L	
Ion Balance		16.3	%	
Ion Difference		12.7	µeq/L	V0
Calcium Ion	0.0100	0.3699	mg/L	V0
Magnesium Ion	0.0060	0.0602	mg/L	V0
Potassium Ion	0.0060	0.0285	mg/L	V0
Sodium Ion	0.0080	0.0282	mg/L	V0
Ammonium Ion	0.0140	0.3468	mg/L	V0
Nitrate Ion	0.0200	0.8803	mg/L	V0
Chloride Ion	0.0200	0.0421	mg/L	V0
Sulphate Ion	0.0200	0.5219	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-10-06 10:00**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-10-12 12:00**

Set Index: **1**  
WBEA ID: **211003883**  
Duration: **146.0 hr**

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		0	mL	
Pluvio Total		0.00	mm	



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211003891
Start Date:	2021-10-06 14:10	End Date:	2021-10-12 14:35	Duration:	144.4 hr

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### Notes

None

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### Data

Parameter	MDL	Value	Unit	Flag
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Precipitation Volume		0	mL	
Pluvio Total		0.00	mm	



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	211003966
Start Date:	2021-10-12 09:55	End Date:	2021-10-18 10:55	Duration:	145.0 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		21.6	mL	
Pluvio Total		0.21	mm	
Potential Hydrogen		4.93		V0
Bicarbonate (calc)		0.4	µeq/L	
Conductivity	0.9	12.8	µS/cm	V0
Conductivity (calc)		12.8	µS/cm	
Conductivity Difference		-0.2	%	V0
Sum Anions		65.1	µeq/L	
Sum Cations		73.1	µeq/L	
Total Ions		138.2	µeq/L	
Ion Balance		5.8	%	V0
Ion Difference		8.0	µeq/L	
Calcium Ion	0.0100	0.6708	mg/L	V0
Magnesium Ion	0.0060	0.0912	mg/L	V0
Potassium Ion	0.0060	0.0253	mg/L	V0
Sodium Ion	0.0080	0.0721	mg/L	V0
Ammonium Ion	0.0140	0.2990	mg/L	V0
Nitrate Ion	0.0200	2.286	mg/L	V0
Chloride Ion	0.0200	0.1306	mg/L	V0
Sulphate Ion	0.0200	1.151	mg/L	V0
Phosphate Ion	0.0100	0.0128	mg/L	V0



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-10-12 12:00**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-10-19 09:30**

Set Index: **1**  
WBEA ID: **211003965**  
Duration: **165.5 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		206.3	mL	
Pluvio Total		3.05	mm	
Potential Hydrogen		6.36		V0
Bicarbonate (calc)		11.7	µeq/L	
Conductivity	0.9	5.5	µS/cm	V0
Conductivity (calc)		5.0	µS/cm	
Conductivity Difference		-9.2	%	V0
Sum Anions		31.3	µeq/L	
Sum Cations		46.4	µeq/L	
Total Ions		77.7	µeq/L	
Ion Balance		19.4	%	
Ion Difference		15.0	µeq/L	V0
Calcium Ion	0.0100	0.5456	mg/L	V0
Magnesium Ion	0.0060	0.0559	mg/L	V0
Potassium Ion	0.0060	0.0486	mg/L	V0
Sodium Ion	0.0080	0.0626	mg/L	V0
Ammonium Ion	0.0140	0.1829	mg/L	V0
Nitrate Ion	0.0200	0.5586	mg/L	V0
Chloride Ion	0.0200	0.0738	mg/L	V0
Sulphate Ion	0.0200	0.4106	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: <b>PRECIP - NADP</b>	Samp Use: <b>Exposure</b>	Set Index: <b>1</b>
Location: <b>Bertha Ganter - Fort McKay</b>	Loc ID: <b>BGFM</b>	WBEA ID: <b>211003964</b>
Start Date: <b>2021-10-12 14:35</b>	End Date: <b>2021-10-19 10:45</b>	Duration: <b>164.2 hr</b>

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		115.6	mL	
Pluvio Total		1.60	mm	
Potential Hydrogen		6.4		V0
Bicarbonate (calc)		12.8	µeq/L	
Conductivity	0.9	6.3	µS/cm	V0
Conductivity (calc)		5.6	µS/cm	
Conductivity Difference		-11.4	%	V0
Sum Anions		34.9	µeq/L	
Sum Cations		53.8	µeq/L	
Total Ions		88.7	µeq/L	
Ion Balance		21.2	%	
Ion Difference		18.8	µeq/L	V0
Calcium Ion	0.0100	0.6912	mg/L	V0
Magnesium Ion	0.0060	0.0973	mg/L	V0
Potassium Ion	0.0060	0.0440	mg/L	V0
Sodium Ion	0.0080	0.0670	mg/L	V0
Ammonium Ion	0.0140	0.1230	mg/L	V0
Nitrate Ion	0.0200	0.7259	mg/L	V0
Chloride Ion	0.0200	0.0432	mg/L	V0
Sulphate Ion	0.0200	0.4411	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	211004309
Start Date:	2021-10-18 10:55	End Date:	2021-10-26 10:35	Duration:	191.7 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		438.2	mL	
Pluvio Total		6.07	mm	
Potential Hydrogen		6.04		V0
Bicarbonate (calc)		5.6	µeq/L	
Conductivity	0.9	6	µS/cm	V0
Conductivity (calc)		5.7	µS/cm	
Conductivity Difference		-4.7	%	V0
Sum Anions		35.8	µeq/L	
Sum Cations		44.1	µeq/L	
Total Ions		79.9	µeq/L	
Ion Balance		10.4	%	
Ion Difference		8.3	µeq/L	V0
Calcium Ion	0.0100	0.2805	mg/L	V0
Magnesium Ion	0.0060	0.0694	mg/L	V0
Potassium Ion	0.0060	0.0180	mg/L	V0
Sodium Ion	0.0080	0.0253	mg/L	V0
Ammonium Ion	0.0140	0.3955	mg/L	V0
Nitrate Ion	0.0200	0.7091	mg/L	V0
Chloride Ion	0.0200	0.0319	mg/L	V0
Sulphate Ion	0.0200	0.8591	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	211004407
Start Date:	2021-10-19 09:30	End Date:	2021-10-27 10:50	Duration:	193.3 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		437.5	mL	
Pluvio Total		6.67	mm	
Potential Hydrogen		6.14		V0
Bicarbonate (calc)		7.0	µeq/L	
Conductivity	0.9	5.1	µS/cm	V0
Conductivity (calc)		4.7	µS/cm	
Conductivity Difference		-8.2	%	V0
Sum Anions		28.0	µeq/L	
Sum Cations		37.0	µeq/L	
Total Ions		65.0	µeq/L	
Ion Balance		13.9	%	
Ion Difference		9.0	µeq/L	V0
Calcium Ion	0.0100	0.1358	mg/L	V0
Magnesium Ion	0.0060	0.0241	mg/L	V0
Potassium Ion	0.0060	0.0076	mg/L	V0
Sodium Ion	0.0080	0.0093	mg/L	V0
Ammonium Ion	0.0140	0.4863	mg/L	V0
Nitrate Ion	0.0200	0.6272	mg/L	V0
Chloride Ion	0.0200	-8888	mg/L	V1
Sulphate Ion	0.0200	0.4969	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211004408
Start Date:	2021-10-19 10:45	End Date:	2021-10-27 14:10	Duration:	195.4 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		544.6	mL	
Pluvio Total		8.30	mm	
Potential Hydrogen		6.52		V0
Bicarbonate (calc)		16.9	µeq/L	
Conductivity	0.9	8.6	µS/cm	V0
Conductivity (calc)		7.8	µS/cm	
Conductivity Difference		-8.8	%	V0
Sum Anions		48.3	µeq/L	
Sum Cations		70.8	µeq/L	
Total Ions		119.1	µeq/L	
Ion Balance		18.9	%	V0
Ion Difference		22.5	µeq/L	
Calcium Ion	0.0100	0.6682	mg/L	V0
Magnesium Ion	0.0060	0.0620	mg/L	V0
Potassium Ion	0.0060	0.0082	mg/L	V0
Sodium Ion	0.0080	0.0310	mg/L	V0
Ammonium Ion	0.0140	0.5499	mg/L	V0
Nitrate Ion	0.0200	0.7120	mg/L	V0
Chloride Ion	0.0200	0.0259	mg/L	V0
Sulphate Ion	0.0200	0.9215	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	211004618
Start Date:	2021-10-26 10:35	End Date:	2021-11-02 11:05	Duration:	168.5 hr

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### Notes

None

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Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1.3	mL	
Pluvio Total		0.00	mm	



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: <b>PRECIP - NADP</b>	Samp Use: <b>Exposure</b>	Set Index: <b>1</b>
Location: <b>Wapasu</b>	Loc ID: <b>WAPS</b>	WBEA ID: <b>211004641</b>
Start Date: <b>2021-10-27 10:50</b>	End Date: <b>2021-11-02 08:25</b>	Duration: <b>141.6 hr</b>

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		210.9	mL	
Pluvio Total		3.25	mm	
Potential Hydrogen		6		V0
Bicarbonate (calc)		5.1	µeq/L	
Conductivity	0.9	3.1	µS/cm	V0
Conductivity (calc)		2.9	µS/cm	
Conductivity Difference		-8.0	%	V0
Sum Anions		16.7	µeq/L	
Sum Cations		24.1	µeq/L	
Total Ions		40.7	µeq/L	
Ion Balance		18.1	%	
Ion Difference		7.4	µeq/L	V0
Calcium Ion	0.0100	0.3037	mg/L	V0
Magnesium Ion	0.0060	0.0353	mg/L	V0
Potassium Ion	0.0060	0.0130	mg/L	V0
Sodium Ion	0.0080	0.0262	mg/L	V0
Ammonium Ion	0.0140	0.0636	mg/L	V0
Nitrate Ion	0.0200	0.3190	mg/L	V0
Chloride Ion	0.0200	0.0283	mg/L	V0
Sulphate Ion	0.0200	0.2711	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

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### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211004665
Start Date:	2021-10-27 14:10	End Date:	2021-11-03 13:35	Duration:	167.4 hr

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### Notes

None

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### Data

#### Parameter

#### MDL

#### Value

#### Unit

#### Flag

Precipitation Volume  
Pluvio Total

4.4 mL  
0.11 mm



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	211104726
Start Date:	2021-11-02 08:25	End Date:	2021-11-09 10:55	Duration:	170.5 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		442.8	mL	
Pluvio Total		6.82	mm	
Potential Hydrogen		5.13		V0
Bicarbonate (calc)		0.7	µeq/L	
Conductivity	0.9	4.9	µS/cm	V0
Conductivity (calc)		4.8	µS/cm	
Conductivity Difference		-3.0	%	V0
Sum Anions		17.5	µeq/L	
Sum Cations		20.8	µeq/L	
Total Ions		38.3	µeq/L	
Ion Balance		8.6	%	
Ion Difference		3.3	µeq/L	V0
Calcium Ion	0.0100	0.1582	mg/L	V0
Magnesium Ion	0.0060	0.0121	mg/L	V0
Potassium Ion	0.0060	0.0269	mg/L	V0
Sodium Ion	0.0080	0.0125	mg/L	V0
Ammonium Ion	0.0140	0.0590	mg/L	V0
Nitrate Ion	0.0200	0.3794	mg/L	V0
Chloride Ion	0.0200	0.0275	mg/L	V0
Sulphate Ion	0.0200	0.4759	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	211104732
Start Date:	2021-11-02 11:05	End Date:	2021-11-11 10:10	Duration:	215.1 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		721.9	mL	
Pluvio Total		10.87	mm	
Potential Hydrogen		5.81		V0
Bicarbonate (calc)		3.3	µeq/L	
Conductivity	0.9	3.1	µS/cm	V0
Conductivity (calc)		2.9	µS/cm	
Conductivity Difference		-5.2	%	V0
Sum Anions		17.0	µeq/L	
Sum Cations		21.6	µeq/L	
Total Ions		38.6	µeq/L	
Ion Balance		11.8	%	
Ion Difference		4.6	µeq/L	V0
Calcium Ion	0.0100	0.1208	mg/L	V0
Magnesium Ion	0.0060	0.0322	mg/L	V0
Potassium Ion	0.0060	0.0157	mg/L	V0
Sodium Ion	0.0080	0.1207	mg/L	V0
Ammonium Ion	0.0140	0.1031	mg/L	V0
Nitrate Ion	0.0200	0.4197	mg/L	V0
Chloride Ion	0.0200	0.0289	mg/L	V0
Sulphate Ion	0.0200	0.2960	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**      Samp Use: **Exposure**      Set Index: **1**  
Location: **Bertha Ganter - Fort McKay**      Loc ID: **BGFM**      WBEA ID: **211104786**  
Start Date: **2021-11-03 13:35**      End Date: **2021-11-09 10:25**      Duration: **140.8 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		172.5	mL	
Pluvio Total		2.58	mm	
Potential Hydrogen		6.26		V0
Bicarbonate (calc)		9.3	µeq/L	
Conductivity	0.9	5.7	µS/cm	V0
Conductivity (calc)		5.1	µS/cm	
Conductivity Difference		-10.0	%	V0
Sum Anions		31.3	µeq/L	
Sum Cations		47.4	µeq/L	
Total Ions		78.7	µeq/L	
Ion Balance		20.5	%	
Ion Difference		16.1	µeq/L	V0
Calcium Ion	0.0100	0.5902	mg/L	V0
Magnesium Ion	0.0060	0.0836	mg/L	V0
Potassium Ion	0.0060	0.0328	mg/L	V0
Sodium Ion	0.0080	0.0345	mg/L	V0
Ammonium Ion	0.0140	0.1481	mg/L	V0
Nitrate Ion	0.0200	0.6530	mg/L	V0
Chloride Ion	0.0200	0.0333	mg/L	V0
Sulphate Ion	0.0200	0.5068	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PRECIP - NADP      Samp Use: Exposure      Set Index: 1  
Location: Bertha Ganter - Fort McKay      Loc ID: BGFM      WBEA ID: 211104847  
Start Date: 2021-11-09 10:25      End Date: 2021-11-17 09:15      Duration: 190.8 hr

### Notes

High winds during sampling period resulted in poor collection during this sample period by the precip sampler.

### Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		585.5	mL	
Pluvio Total		13.04	mm	
Potential Hydrogen		-9999		M2
Bicarbonate (calc)		-9999	µeq/L	M2
Conductivity	0.9	-9999	µS/cm	M2
Conductivity (calc)		-9999	µS/cm	M2
Conductivity Difference		-9999	%	M2
Sum Anions		-9999	µeq/L	M2
Sum Cations		-9999	µeq/L	M2
Total Ions		-9999	µeq/L	M2
Ion Balance		-9999	%	M2
Ion Difference		-9999	µeq/L	M2
Calcium Ion	0.0100	-9999	mg/L	M2
Magnesium Ion	0.0060	-9999	mg/L	M2
Potassium Ion	0.0060	-9999	mg/L	M2
Sodium Ion	0.0080	-9999	mg/L	M2
Ammonium Ion	0.0140	-9999	mg/L	M2
Nitrate Ion	0.0200	-9999	mg/L	M2
Chloride Ion	0.0200	-9999	mg/L	M2
Sulphate Ion	0.0200	-9999	mg/L	M2
Phosphate Ion	0.0100	-9999	mg/L	M2



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	211104849
Start Date:	2021-11-09 10:55	End Date:	2021-11-16 10:55	Duration:	168.0 hr

### Notes

High winds during sampling period resulted in poor collection during this sample period by the precip sampler.

### Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		157.5	mL	
Pluvio Total		7.11	mm	
Potential Hydrogen		6.25		V0
Bicarbonate (calc)		9.1	µeq/L	
Conductivity	0.9	4.3	µS/cm	V0
Conductivity (calc)		3.7	µS/cm	
Conductivity Difference		-13.2	%	V0
Sum Anions		23.7	µeq/L	
Sum Cations		34.1	µeq/L	
Total Ions		57.8	µeq/L	
Ion Balance		18.0	%	
Ion Difference		10.4	µeq/L	V0
Calcium Ion	0.0100	0.4798	mg/L	V0
Magnesium Ion	0.0060	0.0510	mg/L	V0
Potassium Ion	0.0060	0.0332	mg/L	V0
Sodium Ion	0.0080	0.0166	mg/L	V0
Ammonium Ion	0.0140	0.0691	mg/L	V0
Nitrate Ion	0.0200	0.4488	mg/L	V0
Chloride Ion	0.0200	0.0410	mg/L	V0
Sulphate Ion	0.0200	0.2995	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-11-11 10:12**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-11-17 16:25**

Set Index: **1**  
WBEA ID: **211104866**  
Duration: **150.2 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		783	mL	
Pluvio Total		12.24	mm	
Potential Hydrogen		5.45		V0
Bicarbonate (calc)		1.4	µeq/L	
Conductivity	0.9	2.9	µS/cm	V0
Conductivity (calc)		2.7	µS/cm	
Conductivity Difference		-7.7	%	V0
Sum Anions		10.9	µeq/L	
Sum Cations		13.5	µeq/L	
Total Ions		24.5	µeq/L	
Ion Balance		10.7	%	
Ion Difference		2.6	µeq/L	V0
Calcium Ion	0.0100	0.0609	mg/L	V0
Magnesium Ion	0.0060	0.0108	mg/L	V0
Potassium Ion	0.0060	0.0181	mg/L	V0
Sodium Ion	0.0080	0.0111	mg/L	V0
Ammonium Ion	0.0140	0.0923	mg/L	V0
Nitrate Ion	0.0200	0.3458	mg/L	V0
Chloride Ion	0.0200	0.0221	mg/L	V0
Sulphate Ion	0.0200	0.1578	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-11-16 10:56**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-11-23 12:10**

Set Index: **1**  
WBEA ID: **211104907**  
Duration: **169.2 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		234.3	mL	
Pluvio Total		6.08	mm	
Potential Hydrogen		7.36		V0
Bicarbonate (calc)		116.8	µeq/L	
Conductivity	0.9	26.9	µS/cm	V0
Conductivity (calc)		22.1	µS/cm	
Conductivity Difference		-17.8	%	V0
Sum Anions		141.2	µeq/L	
Sum Cations		256.5	µeq/L	
Total Ions		397.8	µeq/L	
Ion Balance		29.0	%	V4
Ion Difference		115.3	µeq/L	
Calcium Ion	0.0100	4.303	mg/L	V0
Magnesium Ion	0.0060	0.4363	mg/L	V0
Potassium Ion	0.0060	0.0284	mg/L	V0
Sodium Ion	0.0080	0.0373	mg/L	V0
Ammonium Ion	0.0140	0.0636	mg/L	V0
Nitrate Ion	0.0200	0.8562	mg/L	V0
Chloride Ion	0.0200	0.0428	mg/L	V0
Sulphate Ion	0.0200	0.4512	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**      Samp Use: **Exposure**      Set Index: **1**  
Location: **Bertha Ganter - Fort McKay**      Loc ID: **BGFM**      WBEA ID: **211104916**  
Start Date: **2021-11-17 09:15**      End Date: **2021-11-23 14:04**      Duration: **148.8 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		235.7	mL	
Pluvio Total		3.52	mm	
Potential Hydrogen		7.03		V0
Bicarbonate (calc)		54.6	µeq/L	
Conductivity	0.9	21.9	µS/cm	V0
Conductivity (calc)		18.0	µS/cm	
Conductivity Difference		-18.0	%	V0
Sum Anions		91.0	µeq/L	
Sum Cations		216.6	µeq/L	
Total Ions		307.6	µeq/L	
Ion Balance		40.8	%	V4
Ion Difference		125.6	µeq/L	
Calcium Ion	0.0100	3.644	mg/L	V0
Magnesium Ion	0.0060	0.2582	mg/L	V0
Potassium Ion	0.0060	0.1113	mg/L	V0
Sodium Ion	0.0080	0.1447	mg/L	V0
Ammonium Ion	0.0140	0.0771	mg/L	V0
Nitrate Ion	0.0200	1.305	mg/L	V0
Chloride Ion	0.0200	0.1063	mg/L	V0
Sulphate Ion	0.0200	0.5914	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	211104965
Start Date:	2021-11-17 16:25	End Date:	2021-11-23 13:45	Duration:	141.3 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		191.8	mL	
Pluvio Total		3.12	mm	
Potential Hydrogen		5.39		V0
Bicarbonate (calc)		1.3	µeq/L	
Conductivity	0.9	3.1	µS/cm	V0
Conductivity (calc)		2.9	µS/cm	
Conductivity Difference		-5.4	%	V0
Sum Anions		12.2	µeq/L	
Sum Cations		14.6	µeq/L	
Total Ions		26.9	µeq/L	
Ion Balance		8.8	%	
Ion Difference		2.4	µeq/L	V0
Calcium Ion	0.0100	0.1236	mg/L	V0
Magnesium Ion	0.0060	0.0231	mg/L	V0
Potassium Ion	0.0060	0.0236	mg/L	V0
Sodium Ion	0.0080	0.0139	mg/L	V0
Ammonium Ion	0.0140	0.0228	mg/L	V0
Nitrate Ion	0.0200	0.4199	mg/L	V0
Chloride Ion	0.0200	0.0280	mg/L	V0
Sulphate Ion	0.0200	0.1606	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-11-23 12:10**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-11-29 12:10**

Set Index: **1**  
WBEA ID: **211105009**  
Duration: **144.0 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		92.2	mL	
Pluvio Total		1.95	mm	
Potential Hydrogen		6.36		V0
Bicarbonate (calc)		11.7	µeq/L	
Conductivity	0.9	4.5	µS/cm	V0
Conductivity (calc)		3.9	µS/cm	
Conductivity Difference		-14.2	%	V0
Sum Anions		23.9	µeq/L	
Sum Cations		38.8	µeq/L	
Total Ions		62.7	µeq/L	
Ion Balance		23.9	%	
Ion Difference		15.0	µeq/L	V0
Calcium Ion	0.0100	0.5551	mg/L	V0
Magnesium Ion	0.0060	0.0746	mg/L	V0
Potassium Ion	0.0060	0.0396	mg/L	V0
Sodium Ion	0.0080	0.0425	mg/L	V0
Ammonium Ion	0.0140	0.0308	mg/L	V0
Nitrate Ion	0.0200	0.3220	mg/L	V0
Chloride Ion	0.0200	0.0541	mg/L	V0
Sulphate Ion	0.0200	0.2600	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-11-23 13:45**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-12-01 11:50**

Set Index: **1**  
WBEA ID: **211105015**  
Duration: **190.1 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		417.8	mL	
Pluvio Total		5.93	mm	
Potential Hydrogen		5.42		V0
Bicarbonate (calc)		1.3	µeq/L	
Conductivity	0.9	4	µS/cm	V0
Conductivity (calc)		3.4	µS/cm	
Conductivity Difference		-13.9	%	V0
Sum Anions		15.1	µeq/L	
Sum Cations		20.3	µeq/L	
Total Ions		35.3	µeq/L	
Ion Balance		14.8	%	
Ion Difference		5.2	µeq/L	V0
Calcium Ion	0.0100	0.1256	mg/L	V0
Magnesium Ion	0.0060	0.0405	mg/L	V0
Potassium Ion	0.0060	0.1794	mg/L	V0
Sodium Ion	0.0080	0.0185	mg/L	V0
Ammonium Ion	0.0140	0.0268	mg/L	V0
Nitrate Ion	0.0200	0.5389	mg/L	V0
Chloride Ion	0.0200	0.0233	mg/L	V0
Sulphate Ion	0.0200	0.2085	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211105016
Start Date:	2021-11-23 14:05	End Date:	2021-11-29 13:55	Duration:	143.8 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		123.9	mL	
Pluvio Total		2.22	mm	
Potential Hydrogen		7.14		V0
Bicarbonate (calc)		70.4	µeq/L	
Conductivity	0.9	17.2	µS/cm	V0
Conductivity (calc)		14.3	µS/cm	
Conductivity Difference		-17.1	%	V0
Sum Anions		87.7	µeq/L	
Sum Cations		165.4	µeq/L	
Total Ions		253.0	µeq/L	
Ion Balance		30.7	%	V4
Ion Difference		77.7	µeq/L	
Calcium Ion	0.0100	2.791	mg/L	V0
Magnesium Ion	0.0060	0.1941	mg/L	V0
Potassium Ion	0.0060	0.0674	mg/L	V0
Sodium Ion	0.0080	0.0877	mg/L	V0
Ammonium Ion	0.0140	0.0811	mg/L	V0
Nitrate Ion	0.0200	0.3925	mg/L	V0
Chloride Ion	0.0200	0.0648	mg/L	V0
Sulphate Ion	0.0200	0.4384	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-11-29 12:11**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-12-07 14:00**

Set Index: **1**  
WBEA ID: **211105092**  
Duration: **193.8 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		657.1	mL	
Pluvio Total		13.67	mm	
Potential Hydrogen		5.63		V0
Bicarbonate (calc)		2.2	µeq/L	
Conductivity	0.9	3.8	µS/cm	V0
Conductivity (calc)		3.4	µS/cm	
Conductivity Difference		-10.7	%	V0
Sum Anions		19.1	µeq/L	
Sum Cations		22.6	µeq/L	
Total Ions		41.7	µeq/L	
Ion Balance		8.3	%	
Ion Difference		3.5	µeq/L	V0
Calcium Ion	0.0100	0.3019	mg/L	V0
Magnesium Ion	0.0060	0.0217	mg/L	V0
Potassium Ion	0.0060	0.0255	mg/L	V0
Sodium Ion	0.0080	0.0212	mg/L	V0
Ammonium Ion	0.0140	0.0325	mg/L	V0
Nitrate Ion	0.0200	0.6570	mg/L	V0
Chloride Ion	0.0200	0.0317	mg/L	V0
Sulphate Ion	0.0200	0.2609	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**      Samp Use: **Exposure**      Set Index: **1**  
Location: **Bertha Ganter - Fort McKay**      Loc ID: **BGFM**      WBEA ID: **211105094**  
Start Date: **2021-11-29 13:56**      End Date: **2021-12-07 15:00**      Duration: **193.1 hr**

### Notes

Bucket was full of snow upon collection of sample. Snowfall later in the collection period was likely missed by sample bucket.

### Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		906	mL	
Pluvio Total		27.87	mm	
Potential Hydrogen		6.34		V0
Bicarbonate (calc)		11.2	µeq/L	
Conductivity	0.9	6	µS/cm	V0
Conductivity (calc)		5.3	µS/cm	
Conductivity Difference		-11.5	%	V0
Sum Anions		33.0	µeq/L	
Sum Cations		51.4	µeq/L	
Total Ions		84.4	µeq/L	
Ion Balance		21.7	%	
Ion Difference		18.3	µeq/L	V0
Calcium Ion	0.0100	0.7648	mg/L	V0
Magnesium Ion	0.0060	0.0811	mg/L	V0
Potassium Ion	0.0060	0.0297	mg/L	V0
Sodium Ion	0.0080	0.0404	mg/L	V0
Ammonium Ion	0.0140	0.0639	mg/L	V0
Nitrate Ion	0.0200	0.8738	mg/L	V0
Chloride Ion	0.0200	0.0481	mg/L	V0
Sulphate Ion	0.0200	0.3084	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	211205108
Start Date:	2021-12-01 11:50	End Date:	2021-12-08 12:35	Duration:	168.8 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		407.8	mL	
Pluvio Total		6.97	mm	
Potential Hydrogen		5.02		V0
Bicarbonate (calc)		0.5	µeq/L	
Conductivity	0.9	5.2	µS/cm	V0
Conductivity (calc)		5.1	µS/cm	
Conductivity Difference		-2.3	%	V0
Sum Anions		15.9	µeq/L	
Sum Cations		19.2	µeq/L	
Total Ions		35.1	µeq/L	
Ion Balance		9.4	%	
Ion Difference		3.3	µeq/L	V0
Calcium Ion	0.0100	0.1037	mg/L	V0
Magnesium Ion	0.0060	0.0158	mg/L	V0
Potassium Ion	0.0060	0.0488	mg/L	V0
Sodium Ion	0.0080	0.0197	mg/L	V0
Ammonium Ion	0.0140	0.0197	mg/L	V0
Nitrate Ion	0.0200	0.7431	mg/L	V0
Chloride Ion	0.0200	0.0415	mg/L	V0
Sulphate Ion	0.0200	0.1083	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-12-07 14:00**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-12-15 10:15**

Set Index: **1**  
WBEA ID: **211205177**  
Duration: **188.3 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		197.9	mL	
Pluvio Total		3.84	mm	
Potential Hydrogen		5.49		V0
Bicarbonate (calc)		1.6	µeq/L	
Conductivity	0.9	5.8	µS/cm	V0
Conductivity (calc)		5.1	µS/cm	
Conductivity Difference		-12.2	%	V0
Sum Anions		29.8	µeq/L	
Sum Cations		33.4	µeq/L	
Total Ions		63.3	µeq/L	
Ion Balance		5.7	%	
Ion Difference		3.6	µeq/L	V0
Calcium Ion	0.0100	0.4488	mg/L	V0
Magnesium Ion	0.0060	0.0409	mg/L	V0
Potassium Ion	0.0060	0.0170	mg/L	V0
Sodium Ion	0.0080	0.0400	mg/L	V0
Ammonium Ion	0.0140	0.0409	mg/L	V0
Nitrate Ion	0.0200	1.141	mg/L	V0
Chloride Ion	0.0200	0.0652	mg/L	V0
Sulphate Ion	0.0200	0.3856	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**      Samp Use: **Exposure**      Set Index: **1**  
Location: **Bertha Ganter - Fort McKay**      Loc ID: **BGFM**      WBEA ID: **211205179**  
Start Date: **2021-12-07 15:00**      End Date: **2021-12-15 12:15**      Duration: **189.3 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		186	mL	
Pluvio Total		3.81	mm	
Potential Hydrogen		6.79		V0
Bicarbonate (calc)		31.4	µeq/L	
Conductivity	0.9	12.3	µS/cm	V0
Conductivity (calc)		10.6	µS/cm	
Conductivity Difference		-14.1	%	V0
Sum Anions		66.6	µeq/L	
Sum Cations		111.5	µeq/L	
Total Ions		178.1	µeq/L	
Ion Balance		25.2	%	V4
Ion Difference		44.8	µeq/L	
Calcium Ion	0.0100	1.571	mg/L	V0
Magnesium Ion	0.0060	0.2549	mg/L	V0
Potassium Ion	0.0060	0.0650	mg/L	V0
Sodium Ion	0.0080	0.1511	mg/L	V0
Ammonium Ion	0.0140	0.0664	mg/L	V0
Nitrate Ion	0.0200	1.382	mg/L	V0
Chloride Ion	0.0200	0.1105	mg/L	V0
Sulphate Ion	0.0200	0.4694	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	211205193
Start Date:	2021-12-08 12:35	End Date:	2021-12-14 14:15	Duration:	145.7 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		279.5	mL	
Pluvio Total		4.66	mm	
Potential Hydrogen		5.19		V0
Bicarbonate (calc)		0.8	µeq/L	
Conductivity	0.9	3.7	µS/cm	V0
Conductivity (calc)		3.3	µS/cm	
Conductivity Difference		-10.6	%	V0
Sum Anions		10.0	µeq/L	
Sum Cations		11.9	µeq/L	
Total Ions		21.9	µeq/L	
Ion Balance		8.9	%	
Ion Difference		2.0	µeq/L	V0
Calcium Ion	0.0100	0.0503	mg/L	V0
Magnesium Ion	0.0060	0.0067	mg/L	V0
Potassium Ion	0.0060	0.0192	mg/L	V0
Sodium Ion	0.0080	0.0184	mg/L	V0
Ammonium Ion	0.0140	0.0204	mg/L	V0
Nitrate Ion	0.0200	0.3840	mg/L	V0
Chloride Ion	0.0200	0.0473	mg/L	V0
Sulphate Ion	0.0200	0.0796	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-12-14 14:15**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2021-12-21 13:55**

Set Index: **1**  
WBEA ID: **211205287**  
Duration: **167.7 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		271.5	mL	
Pluvio Total		3.43	mm	
Potential Hydrogen		4.79		V0
Bicarbonate (calc)		0.3	µeq/L	
Conductivity	0.9	8.1	µS/cm	V0
Conductivity (calc)		7.7	µS/cm	
Conductivity Difference		-4.6	%	V0
Sum Anions		22.7	µeq/L	
Sum Cations		22.5	µeq/L	
Total Ions		45.2	µeq/L	
Ion Balance		-0.4	%	
Ion Difference		-0.2	µeq/L	V0
Calcium Ion	0.0100	0.0520	mg/L	V0
Magnesium Ion	0.0060	-8888	mg/L	V1
Potassium Ion	0.0060	0.0177	mg/L	V0
Sodium Ion	0.0080	0.0172	mg/L	V0
Ammonium Ion	0.0140	0.0370	mg/L	V0
Nitrate Ion	0.0200	1.021	mg/L	V0
Chloride Ion	0.0200	0.0403	mg/L	V0
Sulphate Ion	0.0200	0.2300	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1





# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-12-15 10:15**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-12-22 15:35**

Set Index: **1**  
WBEA ID: **211205296**  
Duration: **173.3 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		73.6	mL	
Pluvio Total		0.83	mm	
Potential Hydrogen		6.74		V0
Bicarbonate (calc)		28.0	µeq/L	
Conductivity	0.9	10.2	µS/cm	V0
Conductivity (calc)		7.9	µS/cm	
Conductivity Difference		-22.4	%	V0
Sum Anions		54.2	µeq/L	
Sum Cations		80.3	µeq/L	
Total Ions		134.5	µeq/L	
Ion Balance		19.4	%	V0
Ion Difference		26.1	µeq/L	
Calcium Ion	0.0100	1.127	mg/L	V0
Magnesium Ion	0.0060	0.2251	mg/L	V0
Potassium Ion	0.0060	0.0295	mg/L	V0
Sodium Ion	0.0080	0.0791	mg/L	V0
Ammonium Ion	0.0140	0.0206	mg/L	V0
Nitrate Ion	0.0200	0.8989	mg/L	V0
Chloride Ion	0.0200	0.0935	mg/L	V0
Sulphate Ion	0.0200	0.4346	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: PRECIP - NADP      Samp Use: Exposure      Set Index: 1  
Location: Bertha Ganter - Fort McKay      Loc ID: BGFM      WBEA ID: 211205298  
Start Date: 2021-12-15 12:15      End Date: 2021-12-22 12:25      Duration: 168.2 hr

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		54.1	mL	
Pluvio Total		0.18	mm	
Potential Hydrogen		6.92		V0
Bicarbonate (calc)		42.4	µeq/L	
Conductivity	0.9	22	µS/cm	V0
Conductivity (calc)		15.7	µS/cm	
Conductivity Difference		-28.4	%	V0
Sum Anions		84.8	µeq/L	
Sum Cations		183.6	µeq/L	
Total Ions		268.4	µeq/L	
Ion Balance		36.8	%	V4
Ion Difference		98.8	µeq/L	
Calcium Ion	0.0100	2.566	mg/L	V0
Magnesium Ion	0.0060	0.4549	mg/L	V0
Potassium Ion	0.0060	0.1539	mg/L	V0
Sodium Ion	0.0080	0.2672	mg/L	V0
Ammonium Ion	0.0140	0.0441	mg/L	V0
Nitrate Ion	0.0200	1.537	mg/L	V0
Chloride Ion	0.0200	0.1292	mg/L	V0
Sulphate Ion	0.0200	0.6682	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	211205361
Start Date:	2021-12-21 13:55	End Date:	2021-12-29 10:24	Duration:	188.5 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		492	mL	
Pluvio Total		6.42	mm	
Potential Hydrogen		5.1		V0
Bicarbonate (calc)		0.6	µeq/L	
Conductivity	0.9	4.1	µS/cm	V0
Conductivity (calc)		3.8	µS/cm	
Conductivity Difference		-6.8	%	V0
Sum Anions		11.3	µeq/L	
Sum Cations		11.9	µeq/L	
Total Ions		23.1	µeq/L	
Ion Balance		2.6	%	
Ion Difference		0.6	µeq/L	V0
Calcium Ion	0.0100	0.0336	mg/L	V0
Magnesium Ion	0.0060	-8888	mg/L	V1
Potassium Ion	0.0060	0.0168	mg/L	V0
Sodium Ion	0.0080	0.0276	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.4156	mg/L	V0
Chloride Ion	0.0200	0.0676	mg/L	V0
Sulphate Ion	0.0200	0.0971	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	211205374
Start Date:	2021-12-22 12:25	End Date:	2021-12-29 11:30	Duration:	167.1 hr

### Notes

None

### Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		291.1	mL	
Pluvio Total		3.04	mm	
Potential Hydrogen		6.41		V0
Bicarbonate (calc)		13.1	µeq/L	
Conductivity	0.9	9.3	µS/cm	V0
Conductivity (calc)		7.4	µS/cm	
Conductivity Difference		-20.3	%	V0
Sum Anions		39.8	µeq/L	
Sum Cations		81.7	µeq/L	
Total Ions		121.5	µeq/L	
Ion Balance		34.5	%	V4
Ion Difference		41.9	µeq/L	
Calcium Ion	0.0100	1.113	mg/L	V0
Magnesium Ion	0.0060	0.2177	mg/L	V0
Potassium Ion	0.0060	0.0670	mg/L	V0
Sodium Ion	0.0080	0.1202	mg/L	V0
Ammonium Ion	0.0140	0.0171	mg/L	V0
Nitrate Ion	0.0200	0.9504	mg/L	V0
Chloride Ion	0.0200	0.1654	mg/L	V0
Sulphate Ion	0.0200	0.3182	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Wapasu**  
Start Date: **2021-12-22 15:35**

Samp Use: **Exposure**  
Loc ID: **WAPS**  
End Date: **2021-12-29 10:25**

Set Index: **1**  
WBEA ID: **211205396**  
Duration: **162.8 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		174.9	mL	
Pluvio Total		2.88	mm	
Potential Hydrogen		6.64		V0
Bicarbonate (calc)		22.3	µeq/L	
Conductivity	0.9	8.4	µS/cm	V0
Conductivity (calc)		7.1	µS/cm	
Conductivity Difference		-15.8	%	V0
Sum Anions		45.1	µeq/L	
Sum Cations		74.2	µeq/L	
Total Ions		119.4	µeq/L	
Ion Balance		24.4	%	V4
Ion Difference		29.1	µeq/L	
Calcium Ion	0.0100	1.033	mg/L	V0
Magnesium Ion	0.0060	0.1898	mg/L	V0
Potassium Ion	0.0060	0.0725	mg/L	V0
Sodium Ion	0.0080	0.0953	mg/L	V0
Ammonium Ion	0.0140	0.0152	mg/L	V0
Nitrate Ion	0.0200	0.7641	mg/L	V0
Chloride Ion	0.0200	0.1853	mg/L	V0
Sulphate Ion	0.0200	0.2551	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: **PRECIP - NADP**  
Location: **Stony Mountain**  
Start Date: **2021-12-29 10:25**

Samp Use: **Exposure**  
Loc ID: **STMT**  
End Date: **2022-01-04 14:15**

Set Index: **1**  
WBEA ID: **211205490**  
Duration: **147.8 hr**

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		339.7	mL	
Pluvio Total		4.36	mm	
Potential Hydrogen		4.78		V0
Bicarbonate (calc)		0.3	µeq/L	
Conductivity	0.9	8.4	µS/cm	V0
Conductivity (calc)		7.6	µS/cm	
Conductivity Difference		-9.0	%	V0
Sum Anions		21.0	µeq/L	
Sum Cations		21.7	µeq/L	
Total Ions		42.8	µeq/L	
Ion Balance		1.7	%	
Ion Difference		0.7	µeq/L	V0
Calcium Ion	0.0100	0.0383	mg/L	V0
Magnesium Ion	0.0060	0.0070	mg/L	V0
Potassium Ion	0.0060	0.0126	mg/L	V0
Sodium Ion	0.0080	0.0346	mg/L	V0
Ammonium Ion	0.0140	0.0151	mg/L	V0
Nitrate Ion	0.0200	0.8674	mg/L	V0
Chloride Ion	0.0200	0.1153	mg/L	V0
Sulphate Ion	0.0200	0.1637	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: <b>PRECIP - NADP</b>	Samp Use: <b>Exposure</b>	Set Index: <b>1</b>
Location: <b>Wapasu</b>	Loc ID: <b>WAPS</b>	WBEA ID: <b>211205489</b>
Start Date: <b>2021-12-29 10:25</b>	End Date: <b>2022-01-04 12:35</b>	Duration: <b>146.2 hr</b>

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		93.1	mL	
Pluvio Total		1.32	mm	
Potential Hydrogen		5.81		V0
Bicarbonate (calc)		3.3	µeq/L	
Conductivity	0.9	7.1	µS/cm	V0
Conductivity (calc)		6.6	µS/cm	
Conductivity Difference		-7.4	%	V0
Sum Anions		42.9	µeq/L	
Sum Cations		51.6	µeq/L	
Total Ions		94.5	µeq/L	
Ion Balance		9.2	%	
Ion Difference		8.7	µeq/L	V0
Calcium Ion	0.0100	0.5691	mg/L	V0
Magnesium Ion	0.0060	0.0828	mg/L	V0
Potassium Ion	0.0060	0.0837	mg/L	V0
Sodium Ion	0.0080	0.2218	mg/L	V0
Ammonium Ion	0.0140	0.0552	mg/L	V0
Nitrate Ion	0.0200	1.122	mg/L	V0
Chloride Ion	0.0200	0.4226	mg/L	V0
Sulphate Ion	0.0200	0.4582	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



# Wood Buffalo Environmental Association

## Time Integrated Sample Report

### Deployment Information

Sample Type: <b>PRECIP - NADP</b>	Samp Use: <b>Exposure</b>	Set Index: <b>1</b>
Location: <b>Bertha Ganter - Fort McKay</b>	Loc ID: <b>BGFM</b>	WBEA ID: <b>211205504</b>
Start Date: <b>2021-12-29 11:30</b>	End Date: <b>2022-01-04 12:15</b>	Duration: <b>144.8 hr</b>

### Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		136.6	mL	
Pluvio Total		1.23	mm	
Potential Hydrogen		6.94		V0
Bicarbonate (calc)		44.4	µeq/L	
Conductivity	0.9	12.3	µS/cm	V0
Conductivity (calc)		11.0	µS/cm	
Conductivity Difference		-10.5	%	V0
Sum Anions		79.4	µeq/L	
Sum Cations		109.3	µeq/L	
Total Ions		188.6	µeq/L	
Ion Balance		15.9	%	V0
Ion Difference		29.9	µeq/L	
Calcium Ion	0.0100	1.479	mg/L	V0
Magnesium Ion	0.0060	0.2698	mg/L	V0
Potassium Ion	0.0060	0.0822	mg/L	V0
Sodium Ion	0.0080	0.1512	mg/L	V0
Ammonium Ion	0.0140	0.0803	mg/L	V0
Nitrate Ion	0.0200	1.053	mg/L	V0
Chloride Ion	0.0200	0.3045	mg/L	V0
Sulphate Ion	0.0200	0.4464	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1





End of Report